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BUTZER'S SEEDS

THE KIND
THAT GROW
"YOU CAN'T
KEEP THEM
IN THE
GROUND"

J.J. BUTZER

186 FIRST ST., PORTLAND, ORE.

TO MY FRIENDS

Again it is our privilege to send you our catalog, our "Silent Salesman," and we trust this copy will be of interest to you and will result in benefit both to you and ourselves throughout the year of 1931.

For over a quarter of a century, we have endeavored to offer in our annual catalog only such varieties of seeds as we have found to be of value to the grower because of some characteristics, either season of maturity, quality, quantity of production or beauty.

The items for orchard, gardens, lawns, poultry and other goods offered are products of well-known manufacturers and are recognized as standard.

Our aim has always been to supply only the best, and we do not hesitate to recommend any of this merchandise offered.

It has proven that our over a quarter of a century of experience in connection with some of the best growers in all parts of the world, qualify us to supply you with the best Seeds obtainable.

BUSINESS INSTRUCTIONS

What We Do and What You Should Do

EARLY ORDERING.—It will be helpful to our customers, as well as ourselves, to have orders placed early. Our policy is to make prompt shipments, but this is impossible as the busy season reaches its height. If your order is received late we may be sold out, as in case of shortage of crops, with no more stock obtainable. Send your order early; we will do the rest.

SEND CASH WITH ORDER.—Remittances may be made by Money Order, Draft, Currency, or Stamps. We will accept any reasonable amount of stamps the same as cash, but we prefer to have 5, 10, 15 and 25 cent stamps. Be sure you register your letters if they contain cash. Money orders are the most economical and practical means of remitting.

CORRESPONDENCE.—We try to give prompt attention to all proper letters of inquiry, etc., but ask, as a

favor, that all questions be stated clearly and briefly, and not on order sheets.

HOW TO ORDER.—Fill out the order sheet enclosed herewith, writing your name and address very plainly. If you have lost our order blank any kind of paper will do. Just be sure you write your name and address plainly. We'll take care of the order.

PREPAY STATIONS.—When you send in orders to go by freight or express, be sure you send extra money to pay the transportation charges, if your station is a prepay point, which is always the case where there is no regular agent. If you send more than enough, we will refund it as soon as we get the prepay bill. If not enough, we will write for the balance and expect you to remit promptly.

OUR TERMS ARE STRICTLY CASH WITH THE ORDER

We do not send C. O. D., as the cost of collecting return charges is quite an unnecessary item of expense and the prices being given, we can conceive of no necessity to warrant goods being so sent.

NAME AND ADDRESS SHOULD ALWAYS BE GIVEN

Frequently we receive unsigned letters. Sometimes they contain money and orders. Sometimes, too, letters are received in which the name of the town is left out and the postmark is blurred. We cannot fill orders unless we know the name and address of the buyer. The easiest way for you is to use our order sheet, filling in the blanks.

MARKET-GARDENERS are requested to send us a list of the vegetable seeds they intend purchasing. We shall be glad to submit low prices on them. Market-gardeners who purchase seed in large quantities are entitled to a reduction in accordance with the quantity bought. Write us fully and we shall be very glad to reply and give prices.

Our Guarantee On Nursery Stock

All goods are guaranteed to reach you in good condition; mistakes, if made, will be promptly rectified. Accept shipment, examine and count on receipt and notify us at once should there be any errors, and the carrier as well, of any damaged stock. This guarantee not good unless above requirements are complied with. We do not guarantee continued growth. Remember, a tree, shrub or plant is a living organism, as much as a cow, horse or man. It breathes, drinks and feeds, and is liable to attacks of disease and insects. At prices we sell, it is impossible for us to guarantee growth or to be responsible for stock after delivery to our customers in good condition.

GUARANTEE

Seeds of the best quality are apt to fail through improper treatment by sowing the seed too deep or too shallow, in too wet or too dry soil. They differ greatly as to the temperature required for germination. Some will germinate rapidly at a certain temperature, while others, if sown under the same conditions, are apt to decay, and for all these reasons it is impractical to guarantee seeds. I give no warranty, expressed or implied, as to description, quality, productiveness, or any other matter, of any seeds, bulbs or plants sent out, and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

J. J. BUTZER.



BUTZER'S

HOME GARDEN

VEGETABLE SEED

COLLECTION No. 1

Catalog Price 95c
Sent Postpaid
for 50c

The amateur gardener, not familiar with the different varieties, will find this collection a simple

solution of the problem of selection. While the price of this collection is much lower than the regular list, we use only seeds of

the highest quality, but being enabled to put them up during leisure time, the saving goes to the buyer. No changes will be made in the assortment.

This Collection Contains One Package Each of the following Delivered to You by Mail Postpaid for

50c

- 1 Pkt. Beet—Detroit Dark Red
- 1 " Beans—Burpee's Stringless
- 1 " Carrot—Chantney
- 1 " Cucumber—Long Green
- 1 " Lettuce—New York
- 1 " Peas—Blue Bantam
- 1 " Nasturtium—Tall Mixed
- 1 " Radish—Crimson Giant
- 1 " Radish—Icicle

- 1 Pkt. Swiss Chard—Lucullus
- 1 " Turnip—Purple Top White Globe
- 1 " Spinach—King of Denmark
- 1 " Parsley—Emerald
- 1 " Sweet Peas—Spencer Mixed
- 1 " Aster—Rose City Mixed

15 Full Size Packages
all for 50c, Postpaid

BUTZER'S "ROSE CITY" Sweet Pea Collection, 25 cents

This Collection contains one package each of the following—all Giant Spencers
Fluffy Ruffles—Cream Pink
Daffodli—Cream
Huntsman—Scarlet
Colorado—Orange
Olympia—Purple
Austin Frederick—Lavender

BUTZER'S ZINNIAS COLLECTION, 35 cents

- 1 pkt. Dahlia Flowered Mixed Zinnias
- 1 pkt. Double Giant Mixed Zinnias
- 1 pkt. California Giants Mixed Zinnias
- 1 pkt. Double Dwarf Mixed Zinnias
- 1 pkt. Double Lilliput Mixed Zinnias

One package each of the above, 35 cents

Butzer's List of Select Strains of

VEGETABLE SEEDS

Notice in Reference to Varieties

Modern varieties of vegetables are in a great many cases selections and highly improved strains of older and inferior types. These improved strains are stable to a certain degree only, and considerable care is entailed, in the growing of high-grade seeds, to keep these types up to present standard and to improve on them.

We would point out, therefore, that under conditions of soil and season not altogether favorable, varieties may vary from the descriptions in these pages, especially as regards earliness or lateness of season, type and keeping quality.

The descriptions are intended to serve as a guide only, in the selection of sorts likely to prove most suitable for purposes required.

ASPARAGUS

No vegetable is more healthful or more palatable than the tender asparagus that appears on the table very early in the spring.

Every home garden should have a bed about ten by twenty feet, planting about one hundred roots. This would furnish enough tips from day to day to supply the family table. Set the rows two feet apart instead of four as for field culture, and one foot apart in the row.

Culture

Drill the seed thinly in rows fifteen inches apart during March or April. Thin out to two inches apart in order to have strong plants.

Exercise great care in preparing a field because it will last many years. Transplant during February, setting the roots two feet apart, in furrows six feet apart. Carefully spread out to avoid matting. The furrows should be ten or twelve inches deep and run North and South in order to get the sun on both sides of the rows. Cover the roots about three inches and as the plant grows throw the soil toward the plant. Each year when the berries are red, cut the plants close to the ground and burn, then spray the entire field with sulphur, in order to destroy any germs of mildew, red spider or rust that may be there. Keep a mulch over the row with a harrow, but cultivate more deeply between the rows. Use stable manure liberally and hill up a little higher each year. Irrigate freely during the growing period. Three pounds of seed is sufficient to plant an acre. Use one-year-old roots; do not cut them back. When planting see that the roots are well spread out so that the soil will touch every part. If this is not done the plant cannot thrive.

Mary Washington

The most vigorous of the Washington rust-resistant strains developed by the U. S. Department of Agriculture. Its shoots are extra large and of a dark green color shaded with dark purple at tips. Its quality is excellent, surpassing all other varieties for both home and market gardens.

Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50

Martha Washington

A sister of the Mary Washington, but more vigorous, on account of being bred to resist rust disease. It is very productive and is most uniform in type of any of the rust-resistant varieties. Shoots are very large, of extra good quality and of rich green color tinted with purple at the tips.

Pkt. 5c; oz. 20c; ¼ lb. 75c; lb. \$2.50, postpaid

Argenteuil

A popular French Asparagus of great merit; larger and lighter in color and said to be superior to Palmetto, of vigorous, even growth; very early and free from disease.

Per pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c

Palmetto

One of the most popular varieties grown and especially good for shipping and canning. Shoots are light green, slightly tinted pink.

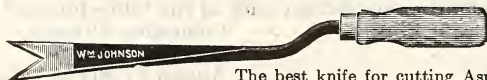
Per pkt. 5c; oz. 15c; ¼ lb. 25c; lb. 75c

Asparagus Roots

(WASHINGTON AND PALMETTO)

ONE-YEAR-OLD PLANTS—Postpaid 30c doz.; 50c per 50; \$1.00 per 100 by express or freight; \$7.00 per 1,000.

We recommend an annual top dressing of Nitrate of Soda in addition to a good general fertilizer to produce an abundance of large, luscious stalks of Asparagus.



Asparagus Knife

The best knife for cutting Asparagus. Each 50c, postpaid

ARTICHOKE

Culture.—In February or March sow in hotbed, transplanting to the open in May in rows 3 or 4 feet apart, and 2 feet apart in the rows to secure globes in one season. Manure heavily and cultivate constantly for large globes. Seed sown in May and transplanted in June has to be wintered. Tie up leaves and bank with dirt to mature the second year.

Large Green Globe—The well-known French vegetable; the undeveloped flower heads, when properly prepared, make a most delicious dish.

Per pkt. 10c, oz. \$1.00

BEANS DWARF OR BUSH GREEN PODDED

Culture—No crop responds more readily to good soil and cultivation than beans. A light, rich, well-drained loam which was manured for the previous crop is desirable. If too rank manure is used it is apt to make the plant run too much to vine. Beans are extremely sensitive to both cold and wet, and it is useless to plant them before the ground has become dry and warm. The largest returns will result from planting in drills from two to three feet apart and leaving the plants two to six inches apart in the row. Up to the time of blossoming they should have frequent shallow cultivation, but any mutilation of the roots by cultivation after the plants come into bloom is likely to cause the blossoms to blast and so cut off the crop. The cultivation of beans should always be very shallow and it is useless to expect a crop from a field so poorly prepared.

Varieties should be selected so as to give a succession both of string and green shelled beans. The wax podded varieties will degenerate into a mixture of green wax podded plants unless there is constant attention given to the removing of any green podded plants which may appear in the seed crop, and the constant selection of plants of the highest type for stock seed. Hence it is especially important to use seed from reliable sources only.

ADVICE

Watch for the slightest indication of mildew. When it appears spray with Sulphur. This will not only arrest any further advance of mildew, but it will fertilize the soil and destroy any germs of Fungi that may be there.

BURPEE'S STRINGLESS GREEN POD

The Best Green Podded Bush Bean for the Northwest, should be in every garden

This famous bean is absolutely unequalled! It combines unusual hardness, extreme earliness, and wonderful productiveness with pods of handsome appearance and finest quality. Extra early plantings may be made to produce the earliest crop, and even with later plantings Burpee's "Stringless" is always the quickest to produce pods. By repeated plantings pods may be had in constant succession from Spring until cut off by heavy frosts in the Fall. Combined with the extra hardness and early maturity, the pods are the finest in quality, of a rich green, very round and straight, five inches long, solidly meaty and broad—deeply saddle-backed, caused by the rounded swell of the fleshy sides. The pods are tender, brittle, and of finest flavor, always entirely stringless, even when fully matured. In a word, all planters now agree that Burpee's Stringless is absolutely unequalled.

Per pkt. 10c; lb. 25c; 5 lbs. \$1.00, postpaid

EXTRA EARLY RED VALENTINE

Next to Burpee's Stringless, this is the most popular of all green-podded bush beans. In this improved strain the pods are very fleshy, round and saddle-backed, with only slight strings. Bushes grow uniformly about fifteen inches in height.

Per pkt. 10c, lb. 30c, postpaid

CANADIAN WONDER

This splendid Bush Bean is the largest, most prolific of the green-podded sorts, and is entirely stringless in its early development. Come a little later than the new Stringless Green Pod, but continues in bearing throughout the season, and is excellent in shelled green.

Per pkt. 10c, lb. 30c, postpaid

IMPROVED REFUGEE, or 1000 to 1

Our strain is extra fine. True bush growth, fifteen inches in height, branching freely. The pods are nearly round, pale green, five inches long, tapering to a slender point; quite solidly fleshy, brittle, and mild in flavor, but with slight strings. Rather later than the other green-podded sorts, but extremely prolific. Very popular with canners on account of the handsome appearance of the pods when picked while quite young.

Per pkt. 10c, lb. 30c, postpaid

EARLY STRINGLESS REFUGEE

An improved stringless strain. Very hardy and extremely productive. Pods round and straight, tender, brittle, absolutely stringless and of finest quality; medium early. Great improvement over Refugee or 1,000 to 1. Excellent home or market variety as a "snap." Unsurpassed for picking or canning. Second early.

Per pkt. 10c, lb. 30c, postpaid

DWARF HORTICULTURAL

One of the best dwarf sorts for green shell beans for the home garden and market and can be used early as a green podded snap bean. The plants are very productive, compact and upright, with large leaves. The mature pods are about five to five and one-half inches in length, broad and thick curved, with splashes of bright red on a yellowish ground. They become fit for use as green shelled beans early and in this condition the beans are very large, easily shelled and are about equal to the Lima in quality. Seed large, oval, plump, pale buff splashed with deep red.

Large pkt. 10c, lb. 30c, postpaid

BROAD WINDSOR, or ENGLISH BROAD

This is entirely distinct from the common or French bean. The large, coarse pods are borne on stout plants which are coarser, more erect and less branched than the French.

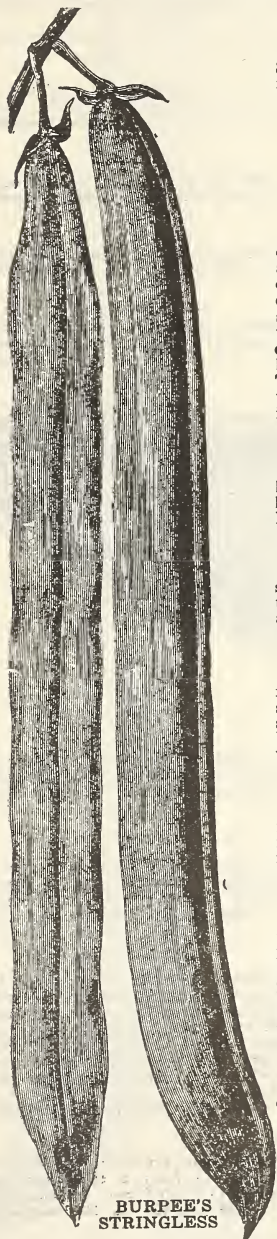
Per pkt. 10c, lb. 30c, postpaid

CASTOR BEAN

Used for medicinal purposes and by some claimed to keep moles away.

Per pkt. 10c, postpaid

You can't go on growing crops year in and year out, unless you put back into the soil the plant food elements removed by each season crops.



BURPEE'S
STRINGLESS

BEANS DWARF OR BUSH, YELLOW OR WAX PODDED

BRITTLE WAX

Brittle Wax is most attractive, of superb quality, and conceded the "Best of All." The bushes are remarkably hardy and very prolific. The pods are handsome, round, extremely fleshy, and always stringless and tender. They measure about 7 inches in length and are slightly curved. Burpee's Brittle Wax has made a record everywhere with its superb quality, extreme earliness, and great productiveness. Pkt. 15c; lb. 35c, postpaid

DAVIS KIDNEY WAX

The handsomest of all the early Wax Beans. The pods are long (seven inches) straight, very uniform and clear waxy white. The vines are vigorous, very prolific and fairly rust resistant. We are constantly improving the variety in this respect, using only the seed from unaffected vines. The dry beans are kidney-shaped, clear white and excellent to use as a Navy Bean for baking. For snap beans in the home garden they should be used while young, before they become stringy. The best market garden wax bean.

Per pkt. 10c, lb. 25c, 5 lbs., \$1.00, postpaid

PENCIL POD BLACK WAX

One of the best round pod wax beans, both for home use and market. Bushy growth, about fifteen inches high, heavy foliage. Pods 6 to 7 inches long, round as a pencil, clear yellow, very brittle and stringless, rich mild flavor. An early sure cropper of the finest quality. Pkt. 10c; lb. 30c, postpaid

PROLIFIC BLACK WAX

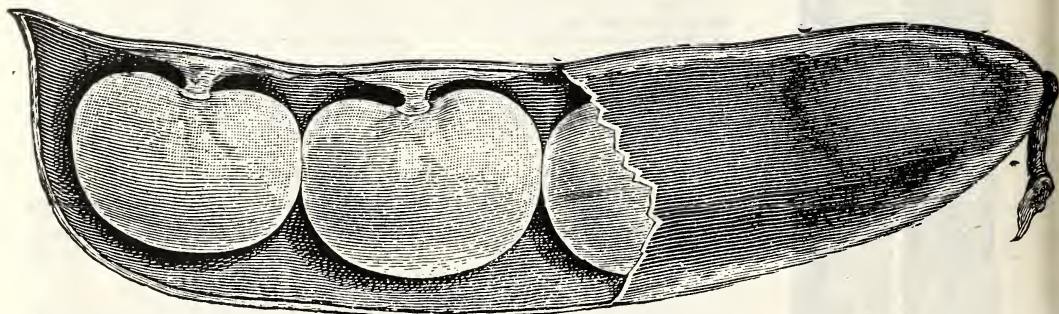
The earliest wax variety. Pods clear, light yellow, round, fleshy, tender, stringless and remain in fit condition for some time. A heavy yielder that we can recommend. Large pkt. 10c, lb. 30c, postpaid

REFUGEE WAX

This is a favorite because of its hardy growth and enormous yield of tender, round stringless pods of excellent flavor. Plant from April until September. Per pkt. 10c, lb. 30c, postpaid

IMPROVED GOLDEN WAX

Pods rather flat, but of good quality; four inches in length, half an inch broad, of light golden yellow; quite brittle, with only slight strings when young. Plants stiffly erect, bearing a large crop of fine pods held well above the soil. Per pkt. 10c, lb. 30c, postpaid



BUSH LIMA BEANS

Culture—Select land that is especially warm, rich and well supplied with vegetable fibre or humus. Plant as soon as the soil has become warm in the spring. Make the rows 2 feet apart and give to each plant 6 inches space in the row. A top-dressing of poultry manure, ashes, or some good fertilizer or compost around the plants will be of much benefit in hastening maturity and increasing the yield.

BURPEE'S BUSH LIMA

Comes absolutely true from seed. The bushes grow eighteen to twenty inches high, stout growth and always erect, yet branching so vigorously that each plant develops into a magnificent circular bush from two to three feet in diameter. It is an immense yielder, the handsome large pods being well filled with very large beans, identical in size and luscious flavor with the well-known large Pole Limas. Per pkt. 10c; lb. 30c, postpaid

BURPEE-IMPROVED BUSH LIMA

This is the finest Bush Lima that has ever been introduced. The bush is sturdy in habit and twenty to twenty-four inches high, with large leaves. It bears its beans on long spikes in very prolific clusters well out from the plant. There are from four to seven pods in each cluster and often as many as eleven. Each pod contains three, four, or five beans and there are more pods containing five than there are containing three beans, so that there is an improvement of from one to two beans in each pod, and this, taken with the great number of pods borne, makes the yield enormous. In quality this bean ranks with the very best and the beans are of large size. In earliness it comes between Henderson's and Burpee's Bush, and is about a week earlier than the latter variety. This bean is bound to be the greatest, most popular Bush Lima—a continuous bearer.

Per pkt. 15c; lb. 35c, postpaid

FORDHOOK BUSH LIMA BEAN

The only stiffly erect bush form of the popular "Potato" Lima! Both pods and beans are twice the size of Dreer's Bush Lima and more than half again as large as the Challenger Pole Lima. Is fully a third heavier cropper and therefore is bound to entirely displace the Kumerle (Dreer's or Thorburn's) Bush Lima. In season it is from four to six days earlier. Per pkt. 15c; lb. 35c, postpaid

BEANS—Pole or Running

Culture—Pole Beans are even more sensitive to cold and wet as well as to droughts and hot winds than the dwarf varieties, but are of superior quality and productiveness. After settled warm weather set poles four to eight feet long and slanting slightly toward the north, in rows four feet apart and extending north and south, the poles being three feet apart in the row. Set in this way, the vines climb better and the pods are straighter and more easily seen. Around each stake plant five to eight beans two inches deep, and when well started thin to four plants. It is a natural habit of all vines to climb around a pole always in one direction, and they will not do well if an attempt is made to train them to run in the opposite direction. Another plan is to plant in rows thickly enough so that there will be one plant to eight or ten inches. Set posts five feet high firmly at each end of the rows and drive stakes made of 2x2 lumber at intervals of about sixteen feet along the rows. Stretch a wire, size No. 10 or 12, between the posts along each row, and fasten it to the tops of the stakes with wire staples; run a light wire or twine along the bottom about six inches from the ground, fastening likewise to the posts and stakes. Between these two horizontal wires stretch a wire or twine perpendicularly wherever there is a plant; the vines will run up these until they reach the top wire, when they will care for themselves. Another way is to omit the bottom wire and stick small stake two to six inches in the soil and fasten to top wire.

GREEN PODDED VARIETIES

Kentucky Wonder is the best Pole Bean for the West

Often sold as Asparagus Beans

Old Homestead, or "Kentucky Wonder"—See natural size of pod, engraved from a photograph. The pods seven to nine inches long, are so fleshy that they are greater in width than in breadth, being deeply creased or "saddle-backed". They are solidly meaty, stringless when young, and of finest quality. If pods are gathered as they mature, the vines will continue to bear to the end of the season.

Per pkt. 10c; lb. 30c, postpaid

Chinese Yard-Long (Pole Beans)—Brown seed, an attractive and curious variety. The pods often grow to be nearly a yard long. The whole pod and beans are crisp, tender and with a delicious asparagus flavor, rivaling almost any of the little podded beans when cooked.

Pkt. 10c

Burger's Green-Pod Stringless—This is earlier than Old Homestead and covers a longer season of productiveness. The pods, borne in clusters, average six to eight inches in length, are uniformly straight, of a rich dark green, and so meaty as to be really "saddle-backed." The pods are as entirely stringless as the popular Burpee's Stringless Green-Pod Bush Bean; they are equally tender and of similar sweet, mild flavor. The dry beans are of a pearly whiteness.

Per pkt. 15c; lb. 35c, postpaid

Horticultural, Cranberry or Wren's Egg—A popular old variety for either snapshorts or dry shell beans, especially adapted for short seasons and cool locations.

Per pkt. 10c; lb. 30c, postpaid

Oregon Giant Greenpod (Dickenson's Yount)—The large fleshy pods 10 to 12 inches in length are free from all stringiness and are tender, crisp and delicious. The size, splendid quality and rich flavor make this one of the most desirable beans for home gardens and for canning.

Per pkt. 15c; lb. 50c

"Lazy Wife's"—The pods, of medium dark green color, are produced in great abundance, and measure from four and a half to six inches in length. They are broad and thick; fleshy and entirely stringless. The pods retain their rich, tender, and stringless qualities until nearly ripe, and at all stages are peculiarly luscious. Each pod contains from six to eight round, white beans, which make excellent winter shell beans.

Per pkt. 10c; lb. 30c, postpaid

Scarlet Runner—In northern locations where the summers are cool and short, this takes the place of the Large Lima Beans. Plants are of strong quick growth, bearing large sprays of bright scarlet pea-like flowers. When fully ripened, the dry beans are of bright scarlet, heavily blotched with purple.

Per pkt. 10c; lb. 30c, postpaid

White Creaseback—A popular early green podded pole bean for snapshorts; of rapid growth and very productive. Pods grow in clusters and are from five to six inches in length, perfectly round, being deeply creased or "saddle-backed." They are solidly fleshy, entirely stringless, and of fine quality. The dry seed is pure white and excellent for winter use.

Per pkt. 10c; lb. 30c, postpaid

White Dutch Case Knife—Bears large flat pods early in the season. Being white-seeded, it is excellent to grow dry shell beans for winter.

Per pkt. 10c; lb. 30c, postpaid

WAX POD VARIETIES

Kentucky Wonder Wax Bean—In saying that this bean is even more prolific than its green podded namesake, we do not overstep the bounds of truth. It commences to bear when scarcely higher than the average bush variety, and keeps on producing until killed by frost. In some comparatively frostless districts it has continued in bearing from June to December. It is a rampant grower, one vine filling a pole with a mass of vines densely loaded with luscious beans. They are solidly meaty, entirely stringless, and when cooked, deliciously rich and buttery. The seed is brown.

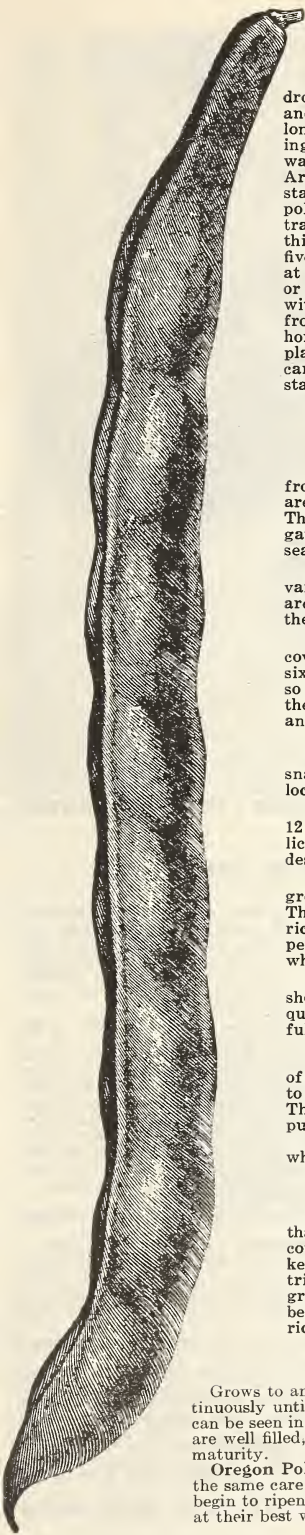
Price 10c per pkt.; 35c per lb., postpaid

OREGON POLE LIMA BEANS

Grows to an average of about five feet, is a strong, thrifty vine and very prolific, bearing continuously until frost, the blossoms bursting from the top shoots in long panicles, while the pods can be seen in every stage of development, to the matured beans at the bottom of the vine. Pods are well filled, having three to five large beans of the finest quality. Gather any time after full maturity.

Oregon Pole Lima can be planted in any garden soil as early as April or late as July. Give the same care and culture as other Beans, and are ready to use when the pods are filled and first begin to ripen. It is not necessary that they should dry on the vines, except for seed. They are at their best when the full green pods begin to turn yellow.

Per pkt. 10c; lb. 30c, postpaid



GARDEN BEETS

Culture—The best results are obtained on a deep rich sandy loam. If wanted very early, sow such sorts as Crosby's Egyptian or Detroit Dark red in hotbeds and transplant, cutting off the outer leaves. For general crop, sow in freshly prepared soil as soon as the ground will permit, in rows eighteen inches apart covering about an inch deep and pressing the soil firmly over the seed. When the plants are well established thin out to four inches apart in the row. For winter use the turnip varieties may be sown in June, so as to mature late in the season; the roots are stored in a cellar and covered with sand or sandy soil to prevent wilting; or they may be kept outdoors in pits such as are used for apples and potatoes. One or two ounces, or single packets of two or three sorts will give a good supply for a large family.

Detroit Dark Red—Receives nothing but praise everywhere—It is rather astounding how, despite the many new beets introduced from time to time, that the old Reliable Detroit gains in favor instead of waning.

The Detroit is one of the best of the dark red turnip beets for main crop. See illustration. Pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c, postpaid.

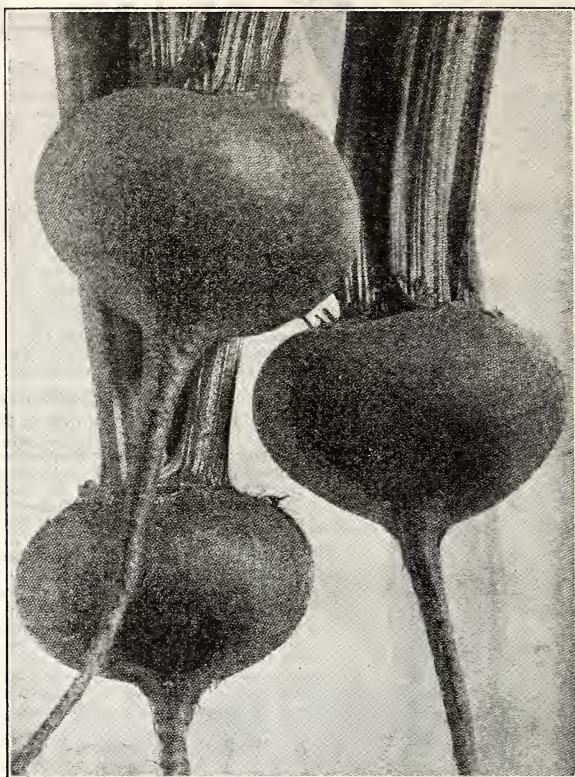
Bastain's Half-Long Blood—The roots are shaped like an olive, of large size and have dark red flesh which retains its tenderness until late in the season.

Per pkt. 5c; oz. 15c, $\frac{1}{4}$ lb. 50c, postpaid
Extra Early Egyptian—Grows extra quickly, producing flat smooth turnip roots averaging two inches in diameter. Per pkt. 5c, oz. 10c, $\frac{1}{4}$ lb. 25c, lb. 75c, postpaid.

Crosby's Egyptian—Roots are smooth and round in form. They are of finer quality, combined with the same extra maturity. Per pkt. 5c, oz. 15c, $\frac{1}{4}$ lb. 30c, per lb. \$1.00, postpaid.

Long Smooth Blood Red—Roots long and slender, penetrating the soil deeply, but seldom growing more than two inches in diameter. Rather late in maturing, but are excellent keepers when stored for winter use.

Per pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 50c, postpaid



DETROIT DARK RED—THE BEET FOR THE NORTHWEST

Mangel Wurzels or Stock Beets

Danish Sludstrup—The Danish Government encourages the growing of root crops by offering certificates of merit to growers who select and produce sorts which are of distinctive value. Sludstrup is considered the best of all Mangels, having been awarded first-class certificate. In color it is reddish yellow and of a distinct type. It contains the largest per cent of nutriment found in any sort. It is very hardy, grows well above ground and is easily pulled.

Per pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 50c

Giant Half-Sugar—This magnificent Sugar Beet, while giving nearly as large a yield of easily grown and harvested roots as a crop of Mangels, supplies a food of very much higher nutritive value, the roots for feeding purposes being really more valuable, pound for pound, than those of the very best strains of Sugar Beet, and the yield under equally favorable conditions is more than double. The roots grow partly out of the ground and because of this and their shape the crop can be harvested and stored at less expense than any other root crop. We are certain that every one who plants this variety and grows it with care will be much pleased. Every farmer should try it.

Per pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 50c, postpaid

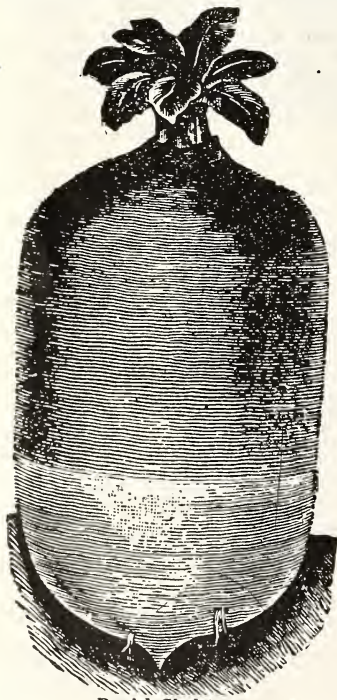
Golden Tankard—A smooth yellow-fleshed mangel, the roots are of large diameter, tapering quickly at the bottom, which is quite broad, with only a small tap-root. It grows largely above the soil and is easily harvested. It yields an enormous bulk on good land, and can be grown closely in rows. This is decidedly the best of all these four mangels for stock feeding.

Per pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c, postpaid

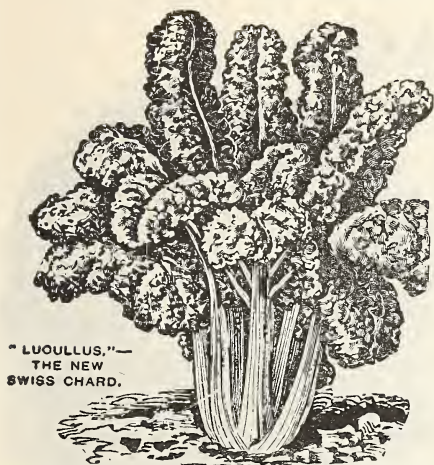
Golden Giant, or Yellow Leviathan—Fine large roots, growing half above the surface. Skin a rich golden yellow; flesh white, firm and sweet. A fine root, easily lifted, producing enormous crops, and is an excellent keeper. Per pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c, postpaid

Mammoth Long Red—The largest of all the Mangels and the heaviest cropper. Skin is red; flesh white, zoned with red. This variety produces a larger amount of good feed than any other Beet, and is recommended as superior to all others.

Per pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 20c; lb. 50c, postpaid



Danish Sludstrup



"LUCULLUS,"—
THE NEW
SWISS CHARD.

SWISS CHARD OR "SPINACH BEETS"

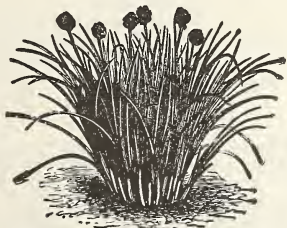
Lucullus—The plants grow to a height of two to two and one-half feet. The stalks are as thick and broad as those of rhubarb, being one and one-half inches broad, heavily ribbed and from ten to twelve inches long below the leaf. These stalks are delicious when cooked and served in the same manner as asparagus.

In the old type of Swiss Chard the leaf portion is smooth, broad and rounded at the upper end; in the new **Lucullus** the leaves are larger and sharply pointed at the top, while the texture is heavily crumpled or "savoyed", more crisply tender and of finer flavor. The leafy portion of the foliage is cooked and served in the same manner as spinach. The leaves and stalks served as separate vegetables afford two distinct dishes from the same plant at one time.

Per pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00

Large-Ribbed White—This variety does not make edible roots like the regular garden beets, but is grown for the broad white leaf-stalks, which are bunched and cooked in the same manner as asparagus, and make a delicious summer vegetable. The young leaves may be gathered also and cooked like spinach.

Per pkt. 5c; oz. 10c; ¼ lb. 30c

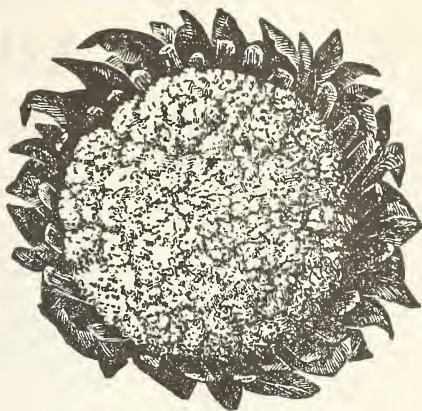


CHIVES—Schnittlauch

Chives are perfectly hardy perennial plants of the onion type, and are grown exclusively for their small leaves, which are produced freely very early in the Spring, for giving a mild onion flavor to various dishes. They are used especially in flavoring the small German sausages. When planted in small clumps in any common garden soil, they will grow rapidly and in time increase so as to render division necessary. The tops appear early in the Spring, and can be shorn off close to the ground as needed. If not allowed to flower, they will produce much longer.

Per bunch, postpaid, 15c

Tobacco Dust will protect your vegetables from leaf-eating insects



BROCCOLI

Should be treated the same as cauliflower, which it resembles. In fact, it is practically a cauliflower, but grows larger and taller and is hardier and easier to grow. It requires two months more time to mature, which it does best in cool weather. Plant and cultivate the same as cabbage or kale and give plenty of water.

St. Valentine—The finest of all Broccoli. Imported from England. This grand new strain introduced from England is a sure header of immense size and finest quality, and is ready for market in February. The large, solid, handsome, white heads remain in good condition longer than other varieties.

Per pkt. 10c; oz. \$1.00

Large White French—A valuable variety with large, white heads, firm and of good flavor. Pkt. 5c; oz. 50c



CORN SALAD (Feldsalat)

Vetkost, or Lamb's Lettuce—A delicious salad. The best variety cultivated. The proper time for sowing is in the Fall, but sown early in Spring, in rows nine to twelve inches apart, it is fit for use in from six to eight weeks. Cover with hay or straw to protect through the Winter. One ounce of seed to 15 square feet.

Per pkt. 5c; oz. 15c, postpaid

BRUSSELS SPROUTS

The plants are very hardy and grow from 2 to 3 feet high, bearing a large mass of leaves at the top. The sides of the main stem are covered with three or four dozen small cabbage heads, which are broken off and cooked the same as cabbage. The sprouts mature in succession. Sow early so as to have well-grown plants by fall. Cultivate the same as for cabbage.

Burpee's Danish-Prize—A very fine strain. The plants are of strong robust growth. The stalks are large, thick and close-joined, so that the sprouts set thickly on the stalk. The sprouts develop for nearly the entire height of the stalk about the same time—consequently a very large crop can be gathered. Even the sprouts formed at the base of the stalk are tightly folded; they are quite as fine and solid as those higher up.

Per pkt. 10c; ½ oz. 20c

Long Island Improved—The finest strain of "Sprouts" grown. We offer the choicest Long Island grown seed.

Per pkt. 10c; oz. 35c

Perfection—The plants grow about two feet in height and the stems are thickly set with the sprouts which grow one or two inches in diameter.

Per pkt. 5c; oz. 25c, postpaid

CABBAGE

Culture—The requisites for complete success are: First, good seed; in this crop the quality of the seed used is of the greatest importance; no satisfactory results can possibly be obtained when poor seed is planted. Second, rich, well prepared ground. A heavy, moist, and rich loam is most suitable. Third, frequent and thorough cultivation. The ground should be highly manured and worked deep. Cabbage is grown all over the country and specific directions regarding the time and methods of planting applicable to all localities cannot be given. In general, north of the 40th parallel the early sorts should be sown very early in hotbeds, hardened off by gradually exposing them to the night air and transplanted as early as the ground is in good condition, setting eighteen to thirty-six inches apart, according to size of variety. South of the 40th parallel, sow about the middle of September, or later, according to latitude, transplanting into cold frames if necessary to keep through winter and setting in open ground as early as possible in the spring.

The late autumn and winter varieties may be sown from the middle to the last of spring and transplanted when four to six inches high. If the weather and soil is dry, the late sowing should be shaded and watered in order to hasten germination, but it is important that the plants should not be shaded or crowded in the seed bed, or they will run up weak and slender and will not endure transplanting well.

First Early Sorts

Extra Early Express—The earliest heading cabbage in cultivation. It produces pointed hard heads of good size, which are ready a week earlier than those of the Jersey Wakefield. Also sold as "Lightning" and under a number of other fancy names.

Per pkt. 5c; oz. 30c; ¼ lb. \$1.00, postpaid



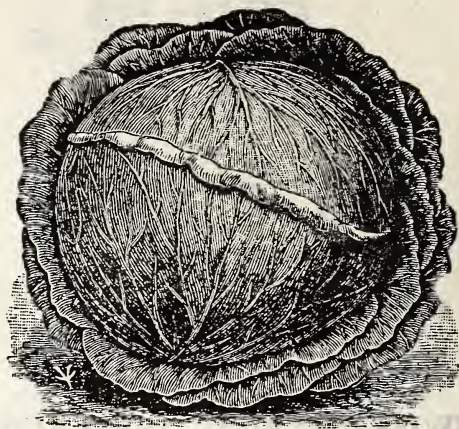
EARLY JERSEY WAKEFIELD

Early Jersey Wakefield—The best first-early oblong-headed cabbage. The heads are uniformly hard and solid. They are pyramidal in form, generally pointed at the end, with but few outside leaves. The outer leaves are unusually thick and heavy, and it is thereby enabled to stand more cold weather without injury when carried through the winter.

Per pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50, postpaid

Large Wakefield or Charleston—The heads are of similar form, although not so pointed, but of equal solidity as the original Jersey Wakefield, while they grow half again as large, reaching full size about ten days later. Per pkt. 5c; oz. 30c; ¼ lb. \$1.00; per lb. \$3.50, postpaid.

Early Dwarf Flat Dutch—A well-known strain, popular for the summer; in our opinion this is not quite equal to Burpee's Allhead Early. The solid heads are carried on good short stems and they mature as a second early crop. Pkt. 5c; oz. 30c; ¼ lb. \$1.00



Copenhagen Market

Will Mature a Marketable Head
from Every Plant

Copenhagen Market—It is undoubtedly without a rival as the finest large round-headed early Cabbage in cultivation. The type is thoroughly fixed, the heads maturing all at the same time—(this being a great consideration to Market Gardeners, entailing less labor in harvesting the crop and allows the ground to be cleared at the first cutting). The heads average about ten pounds each in weight, and very solid, with small core and of fine quality. It matures as early as Charleston Wakefield and will give a much heavier yield per acre than that popular variety. The plant is short-stemmed, the heads being produced almost on the ground level. The leaves are light green, rather small saucer-shaped, and always tightly folded. The plants, therefore, can be set closer than is usual with varieties of similar size.

Per pkt. 5c; oz. 25c, postpaid; ¼ lb. 75c; per lb. \$2.50

ENKUIZEN GLORY

A new valuable second-early Cabbage that is becoming immensely popular. It produces fine marketable heads fully as early as our famous Allhead Early—but round or ball-like in form. The heads are very solid, with but few outer leaves—and of such compact growth as to permit quite close planting—thus increasing the yield of a given area. The heads are of medium size (weighing from six to eight pounds trimmed), tender and of fine flavor. They keep well when put away and consequently Enkhuizen Glory is valuable also for sowing later in the season for early Winter use. Plants set out mid-Summer will produce fine heads before cold weather.

Per pkt. 5c; oz. 30c; ¼ lb. 90c

GOLDEN ACRE

Golden Acre—A very fine new sort from Denmark—the home of fine Cabbages. It is very uniform, almost every head could be cut at the same time. The originator states that Golden Acre matures quicker than any variety known to him. The head is of medium size, quite round, and is surrounded by a few small outer leaves. It is very firm and fully equal to any of the late sorts in this respect. On account of its hardness it will stand in the field for a month or more without bursting and can be shipped long distances and arrive in excellent condition. Don't fail to give the Golden Acre a trial.

Price, pkt. 10c; 1 oz. 40c, postpaid

Early Winnigstadt—This suffers less from insects than any other early cabbage. The heads are of the same size as the Jersey Wakefield, but more sharply pointed in form and not so early. The leaves are rich dark green, slightly glossy, most tightly folded, the heads being the hardest of any early cabbage. By reason of its great solidity it is also a popular variety to plant in the summer for winter use or cutting for kraut.

Per pkt. 5c; oz. 25c, postpaid

Baby Head—Of unusual merit. The beautiful little round heads are "solid as a rock" and weigh from three to six pounds, just a right size for family use.

Pkt. 10c; oz. 50c

LATE or WINTER CABBAGE



BALLHEAD

Burpee's Surehead Cabbage—This famous cabbage was first introduced years ago. It produces large round flattened heads, of the Flat Dutch type, and is remarkable for its certainty to head. It is all head and always sure to head. The heads are remarkably uniform, extremely hard, fine in texture, and ordinarily weigh from ten to fifteen pounds each. It is very sweet flavored, has but few loose leaves, keeps well, is good for shipping and is just the variety and quality to suit all lovers of good cabbage.

Per pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.00, postpaid

SAVOY CABBAGE or CURLED LEAF

Characterized by dark green, heavily crimped, curled, or savoyed leaves. The flavor is far superior to other sorts, especially after being touched by frost. In demand as a Winter Cabbage.



Perfection Drumhead Savoy Wirsing—This is the hardest heading and best all-around Savoy. Plants are of strong growth, having only a moderate amount of outer foliage growing closely about the large solid round heads. Heads beautifully blanching and of the finest flavor.

Per pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c; lb. \$2.00

NITRATE OF SODA FOR CABBAGES

When your Cabbage plants are a foot high, dissolve one ounce of nitrate of soda in two gallons of water and apply around them. The results will surprise you.

Danish Ballhead—Our seed is absolutely unequalled! It is esteemed for winter use because of the great solidity and excellent keeping qualities of the heads. From repeated trials, as well as from the experience of many customers purchasing our original Danish-grown seed, we know that this selected strain surpasses in even growth and heading, as well as in uniform size and solidity of heads, any other stock of "so-called Hollander Cabbage." The magnificent heads are nearly round in form, very hard and solid; they keep in finest condition, when buried through the winter, coming out solid in spring. Per pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50.

Danish Roundhead—Has given such splendid satisfaction to growers for winter market that we could fill pages with enthusiastic letters from pleased planters.

The heads average larger in size than those of the Ballhead, maturing about two weeks earlier, and are set on shorter stalks. They are extremely hard and solid, with interior leaves blanched to the purest whiteness; sweet flavor and crisp tender texture. Per pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50.

Premium Flat Dutch—An improved strain of the old Large Late Flat Dutch type. Highly esteemed. Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.50

Allhead Early—The earliest of all large cabbage, and considerably larger than any other early summer cabbage that is equally as early. The deep flat heads are remarkably solid and the most uniform in color, form and size of any variety. The hard heads grow so free from spreading leaves that fully one thousand more heads than usual with large cabbage can be obtained to the acre. It is really an all-the-year-round cabbage, being equally good for winter. Per pkt. 5c; oz. 25c, postpaid; $\frac{1}{4}$ lb. 75c

RED CABBAGE

Red Cabbage may be used in ways similar to ordinary Cabbage, or may be prepared in various special ways. Its red color makes it particularly desirable for cole slaw.

DANISH STONEHEAD OR ROUND RED

Danish Stonehead or Round Red—This splendid novelty is a recent introduction. It produces round or ball shaped heads of great solidity and unusually dark purplish color, and this rich coloring extends to the center of the head, showing only a small portion of white when cutting across the veins and tissue. The plants are of strong, compact growth, producing heads uniform in size and shape, from 6 to 8 inches in diameter. It is the best keeper of any of the Red Cabbages. Most desirable for the housewife in slicing for slaws, salads, etc.

Per pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.50, postpaid

Mammoth Rock Red—While late in maturing, this is the largest heading of all deep red varieties. In good soil the heads will average ten pounds. Per pkt. 5c; oz. 25c

FOR WORMS ON CABBAGE AND CAULIFLOWER

Slug Shot used freely will control these pests. Safe, cheap and efficient. What more can be desired?

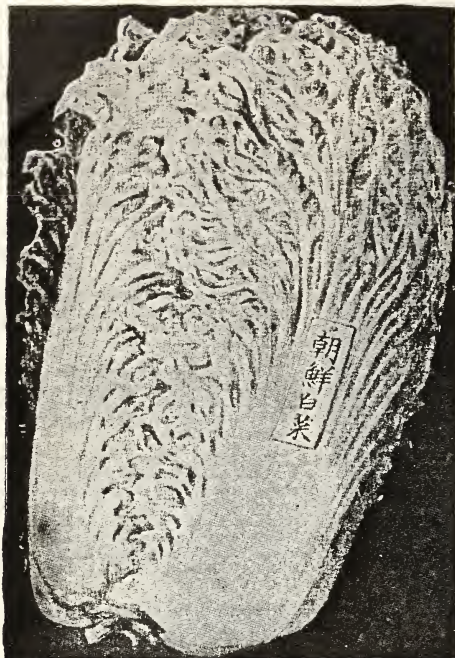
5 pounds 75c

CABBAGE PLANTS

During planting season we aim to have on hand large quantities of cabbage plants of the following varieties:

Early Jersey Wakefield
Copenhagen Market
Ballhead

For price see page 38



"PEKING" "PE-TSAI"

CHINESE CABBAGE

"Peking" (genuine "Pe-Tsai").—This grand variety is similar to the Chokurei in general appearance, but is superior to it in every way. The plant is of the same size, but the head proper is much larger and compact. The interior blanches creamy-white, crisp and delicious, and of that desirable rich celery flavor. It produces successfully throughout the year and is considered one of the best late fall and winter Pe-Tsai. It is a good keeper and shipper and its attractive appearance and fine quality make it one of the best sellers. We can say without exaggeration that this is the finest Pe-Tsai in existence today. Whether for medium early, main crop or late use, it has no equal, and is so finely bred and so true to type that in a field of several acres every head appears alike.

Pkt. 10c; oz. 50c; 4 ozs., \$1.75; lb., \$6.00, postpaid

WONG BOK

Chinese Cabbage

This Chinese Cabbage is becoming more popular each year. While it has been cultivated in China for years, it is comparatively unknown in many markets. Last season there was more than usual displayed on our "Public Market."

Wong Bok produces a beautiful, crisp, blanched tall or long head, resembling a giant Cos Lettuce. As a salad it rivals the finest lettuce. Delicious sliced as cold-slaw. Boiled or steamed it makes delightful greens, more sprouts. Don't plant too early, grow it as a fall vegetable.

Plant like late cabbage, about 15 inches apart, in rows. Does its best in cool, moist weather. Will last until freezing weather. Pkt. 5c; oz. 35c; 4 oz. \$1.00

CAULIFLOWER

Cultivation—The main thing in growing good Cauliflowers is to rush them on quickly, and never allow them to be checked in their growth; in dry weather they should be copiously watered, especially if just planted out. The soil should be deeply trenched and well-dressed with stable manure, and occasional dressings of liquid manure during the growing season will materially increase the crop. Sow in seed beds, and, when large enough, transplant in rows two feet apart and eighteen inches between the plants. Hill up between the rows, and keep the ground well cultivated. Summer and autumn are the best seasons to sow. The later varieties are very much the hardiest, and will often make good heads under circumstances which would cause the early varieties to "button." The early sorts mature in three to four months, the later ones five to eight months.

CAULIFLOWERS FOR MARKET

To those intending to plant large areas, we wish to point out that Cauliflower is a precarious crop, the very high prices usually realized by those who are successful being convincing proof of this. The different varieties which modern horticulture has evolved are stable to a limited extent only. When conditions of soil and season are not altogether favorable the crop is likely to vary considerably in earliness, uniformity and type; sometimes Cauliflowers will fail to "head" at all. The descriptions are only intended to serve as a guide in the selection of varieties likely to be most suitable.

KING WHITE

King White—A remarkably sure heading early Cauliflower. It is of dwarf habit with short outside leaves and is similar in most respects to Early Snowball, and nearly as early. The heads when ready for market are of medium to large size. The curd is white, exceptionally deep and of finest quality. It will give excellent results either in the home garden or for market use and is superior to most seed sold at higher prices. Where extreme earliness is not the greatest consideration we recommend this strain.

Per pkt. 15c; ¼ oz. \$1.00; oz. \$3.00

BURPEE'S NEW "DRY-WEATHER" CAULIFLOWER

Succeeds even where all others fail. Similar to Burpee's Best-Early, it produces equally large, solid, pure white heads, and is only about a week later. It is especially adapted for growing in dry locations where other varieties fail; make the soil quite rich and give thorough cultivation. It is superior to any other excepting only Burpee's Best-Early. By the use of this strain fine cauliflower can be grown in many dry districts where it has been impossible heretofore to raise this luscious vegetable.

Per pkt. 10c; ¼ oz. 75c; oz. \$2.50; ¼ lb. \$7.00

Early Snowball—This is a popular extra early strain of dwarf compact growth. Under favorable circumstances, nearly every plant will make a fine solid head of good size. It is valuable for both early and late.

Per pkt. 5c; oz. \$2.00; ¼ lb. \$5.00

Extra Early Dwarf Erfurt (Extra Selected)—This is the choicest selected strain of the popular Erfurt type.

Per pkt. 10c; oz. \$2.50

CABBAGE ROOT MAGGOT

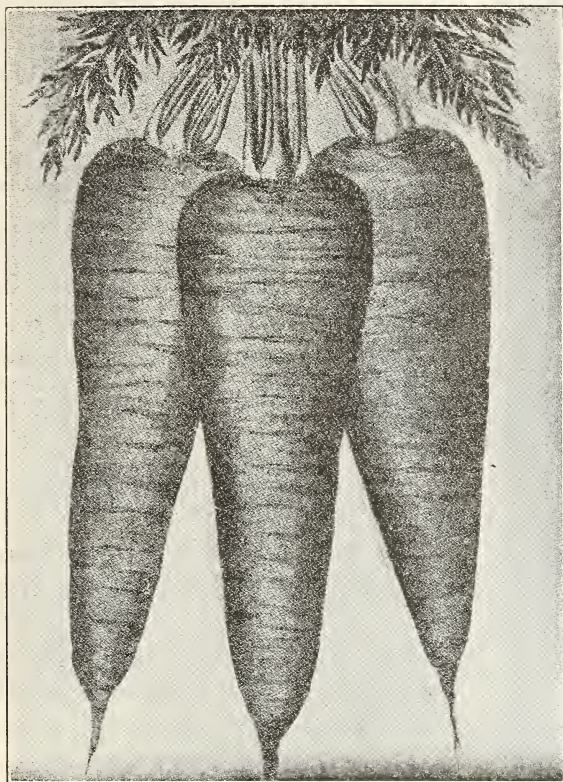
Does Not Bother Growers Who Use
A. B. C. PLANT PROTECTORS

BURPEE'S BEST-EARLY

The Earliest and Best Quick-Growing Cauliflower—This grand strain was first introduced thirty years ago, and has fully maintained all the merits then claimed for it. The plants are of strong growth, with erect, pointed dark green leaves growing closely about the head. It is remarkable both for the extreme earliness and certainty with which the plants produce fine heads. In good soil the heads measure eight to ten inches across; they are of pure snowy white, with very close compact curd of extra fine quality. So extremely solid and deep are the nearly globe-shaped heads that they weigh heavier than other heads of equal size. Market gardeners can plant Burpee's Best-Early Cauliflower for both early and late crops, with full assurance that it is the choicest and most reliable strain that can be procured. Had we space to spare, we could publish many testimonials from experienced growers who are most enthusiastic in stating that this is beyond doubt, all its name implies—"The Best-Early Cauliflower."

Per pkt. 15c; oz. \$3.00; ¼ lb. \$10.00

CARROTS



CORELESS CHANTENAY

THE SWEETEST CARROT KNOWN

No Core No Stringiness No Coarseness

A gardener once said, "Give me a coreless Carrot and I will show you one of the sweetest, most delicious vegetables on earth." He was right. A Carrot without a core is a rare treat and nothing is more delicious. This variety is free of the stringy, coarse heart or core that is found in other Carrots. Owing to the fine texture of the red flesh, and its tender, delicate flavor it is called the Sweetest of All Carrots. It grows from six to seven inches in length and is of a beautiful orange red.

Per pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25, postpaid

Chantenay—This splendid Carrot belongs to the half-long "stump" or blunt-rooted type, but differs from all others of this class by its greater girth, bulk and consequent yield. It averages 6 to 7 inches in length, is broad at the neck, narrowing gradually to the round, blunt base, therefore is easily harvested. The flesh, entirely free from core, is of rich orange-red and of the finest table quality, fine-grained, tender, juicy and delicately flavored.

Per pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid

Guerande, or Ox Heart—Tops small for the size of the roots which are comparatively short but often reach a diameter of five inches, terminating abruptly in a small tap root. Flesh bright orange, fine grained and sweet. This variety is especially desirable for soil so hard and stiff that longer rooted sorts would not thrive in it. When young the roots are excellent for table use and when mature are equally good for stock.

Per pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid

Culture—While sandy loam made rich by manuring the previous year is the best soil for the carrot, any good land if thoroughly and deeply worked will produce satisfactory crops. When possible to do so, it is advisable to sow as early in the spring as the ground is fit to work, though good crops may, in this latitude, be grown from sowings as late as June 15, but success from such late planting is uncertain. For table use sow the smaller kinds as early as practicable in rows 16 to 18 inches apart. For field culture, prepare the ground thoroughly and sow in drills 18 to 24 inches apart, using from one and one-half to three pounds of seed to the acre. Cover one-half to one inch deep and see to it that the soil is pressed firmly above the seed. As soon as the plants appear use the cultivator or wheel hoe. Do not let the weeds get a start. Thin the smaller table sorts from six to eight to the foot, and the field varieties from four to six inches apart in the row. For winter use, gather and store like beets or turnips.

Improved Long Orange—This is a decided improvement obtained by years of careful selection of the best formed and deepest colored roots of old Long Orange. The most popular of the older sorts for farm use on deep and mellow soil. Roots distinctly larger at crown, shorter, thicker and smoother than those of Long Orange, but so uniform and true to type that the bulk of the crop will be greater. Per pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid. Write for price on larger quantities.

Improved Nantes (Coreless)—A fine quality half-long carrot, almost cylindrical in shape, blunt end and very small tap root. Flesh fine grained, with very little core. The skin is a beautiful orange color and very smooth. Improved Nantes is one of the best table sorts that we list.

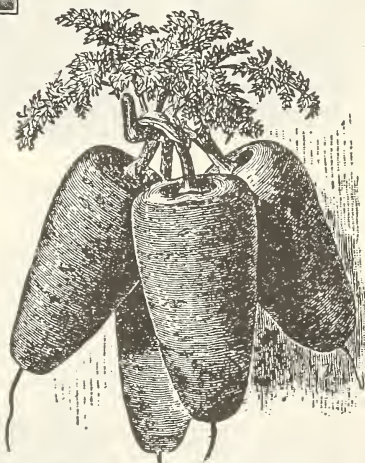
Per pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c

Early French Forcing—This is a delicious little table carrot, tender and sweet-flavored, and very early. It is almost globe-shaped.

Per pkt. 5c; oz. 15c; ¼ lb. 40c

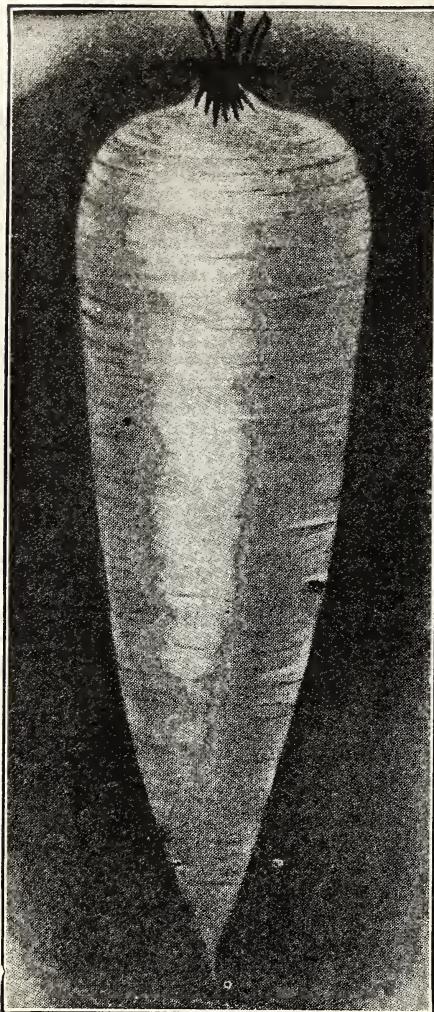
Early Horn—Short; the best for early market. In shallow ground a good variety to plant, even for main crop.

Per pkt. 5c; oz. 15c; ¼ lb. 40c



Butzer's Selected Half-long Danvers Carrot—A handsome half-long, cylindrical, stump-rooted Carrot of good size and of a rich, dark orange color; it grows to a large size, is smooth, and the flesh very close in texture, with very little core and a small tapering tap-root. It is a first-class Carrot for all soils; under good cultivation it has yielded 25 to 30 tons per acre, with the smallest length of root of any now grown, and is more easily harvested than the longer types. Our selected stock gives the best of satisfaction.

Per pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid



CELERIAC or TURNIP-ROOTED CELERY

Culture—Sow the seed at the same season and give the same treatment as common celery. Transplant the young plants to moist rich soil, in rows two feet apart and six inches apart in the row. Give thorough culture. As the roots are the edible portion of this vegetable, it is not necessary to earth up or "handle" it. After the roots have attained a diameter of two inches or over, they are fit for use. To keep through winter pack in damp earth or sand and put in the cellar or leave out of doors, covering with earth and straw like beets or carrots.

Large Smooth Prague
—An improved form of turnip-rooted celery producing large and smooth roots, which are almost round and with very few side roots. Plants vigorous, with large, deep green foliage.
Pkt. 5c; oz. 20c; 2 oz. 35c;
¼ lb. 60c; lb. \$1.75,
postpaid.



CELERY PLANTS SEE PAGE 38

Carrots for Stock Feeding

Carrots for Stock Feeding—These can be grown easily in good, loose soil; keep well when stored for Winter use and form an extremely wholesome addition to the Winter rations of stock when fed in conjunction with corn and dry fodder. The rich coloring of the deep orange-colored sorts is esteemed also as imparting a richer coloring to milk and butter during Winter months.

They are grown most easily in land which has been under cultivation the preceding season, and which has been manured heavily and plowed during the previous Fall, though short, well-rotted manure will give excellent results, turned under in the Spring if the surface is finely prepared before sowing the seed. Seed should be sown early, thinly in drills three feet apart using four pounds of seed to the acre. Give thorough cultivation throughout the season, working more deeply as growth advances.

Improved Short White Mastodon—The most productive and most easily harvested for stock feeding. The roots grow about eight inches in length, measuring three inches at shoulder and gradually tapering throughout their length. Smooth, white skin, free from small rootlets. Flesh solid, white, crisp, rich and nutritious. We have reports of this variety yielding 20 tons per acre.

Per pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid

Large White Belgian—This Carrot grows a third or more of its length above the surface. Roots will average two inches in diameter at the shoulder and a foot or more in length. The diameter is even throughout the entire length, the roots tapering gradually at the base. They are easily pulled in harvesting, and do not have to be dug out, like most long-rooted sorts. Flesh and skin pure white, though the latter is occasionally tinged with green in upper portion growing above the soil.

Per pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid

Large Yellow Belgian—This is similar in growth and form to the preceding, but flesh and skin of the portion growing below the soil are of a pale orange coloring. These two varieties have probably been grown more extensively than any others for stock feeding in the past, but are destined to be superseded to a great extent by the large, thick roots of the improved white variety offered above, and the thick, stump-rooted table sorts.

Per pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid

CELERY

GOLDEN SELF-BLANCHING

The best of all early "self-blanching" varieties. First introduced in America in 1884, this is decidedly better in quality than the White Plume. It is ready for use nearly as early, blanches as easily, and is larger in size. It is of dwarf compact habit, with thick, solid, heavily ribbed stalks, which blanch easily to a clear waxen yellow. When grown in rich moist soil, the stalks are numerous, each plant being fully as thick through as the largest of the tall late sorts, and with a large solid heart of beautiful golden-yellow stalks and leaves. Per pkt. 5c; oz. 50c, postpaid

GOLDEN SELF-BLANCHING

French Grown

The stalks are crisp and solid, free from stringiness, and of most delicious flavor. Finest French-grown seed, which is unsurpassed. Per pkt. 15c; ½ oz. 60c; oz. \$1.20; 2 ozs. \$2.35; ¼ lb. \$3.50; lb. \$11.00.

WHITE PLUME

This is the earliest and most easily blanched, but does not keep well taken from the trenches. The plants grow rapidly and blanch easily during the summer months. Later in the Fall the central stalks and leaves are of pure snowy whiteness, even without earthing up, but stalks should be gathered together and earthed up as in other varieties, so as to produce close attractive bunches.

Per pkt. 5c; oz. 25c; ¼ lb. 60c; lb. \$2.50, postpaid

STIMUGERM
LEGUME INOCULATION

Makes a
Wonder Garden

CHICORY

Large-Rooted or Coffee—Per pkt. 5c; oz. 20c; ¼ lb. 45c; per lb. \$1.60.

FRENCH ENDIVE

or Witloof Chicory. French Endive is used principally as a winter salad. Sow the seed in the open ground not later than June. Lift the roots in the fall. When wanted for forcing trim to an even length of 6 inches. Pack upright in a box in rows and a two-inch layer of soil at the bottom. Loosely cover with 6 inches of sand or light earth. After watering thoroughly, place the box near the heater of the cellar and keep moderately moist until the sprouts push through.

Pkt. 10c; oz. 25c; 4 ozs. 80c, postpaid.



CHERVIL

Curled Chervil—Beautifully curled and crisp.

Per pkt. 10c; oz. 25c; ¼ lb. 75c

CRESS

Fine Curled Peppergrass—Quick growing, finely cut and feathery, like a good parsley; growth dwarf and compact; ornamental, crisp and pungent; very refreshing. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50, postpaid

Water Cress—Highly esteemed as a salad during the Spring and Fall, also used as a garnish for meats during the Winter. Seed may be started readily in pans or boxes of very moist earth, and the young plants transplanted to shallow water.

Per pkt. 10c; oz. 45c; ¼ lb. \$1.50

DANDELION

Dandelion (Lowenzahn; Dent-de-Lion)—Cultivated for spring greens, is fast graining favor. Our thick or cabbage-leaved variety is best; unlike common sorts, almost double usual size. Pkt. 10c; ½ oz. 40c; oz. 75c

DILL

Resembles Fennel in habit of growth but is not so mild, nor does it produce roots of the same type. The stems and umbels of seeds and flowers are extensively used for flavoring pickles, for it imparts a flavor relished by many.

Pkt. 5c; oz. 10c; ¼ lb. 35c

EGG PLANT

Black Beauty—Very early, the fruit being ready for market two weeks before any other variety. Color very fine, being a purplish black. A good variety for a main crop for market. Per pkt. 10c; ½ oz. 40c; per oz. 70c; 2 ozs. \$1.15; ¼ lb. \$2.00; per lb. \$7.00.

CHINESE WONDER

One of Oriental curiosities, the fruit oblong attaining a length of 15 to 25 inches, with beautiful purplish-black color. The skin is very thin and flesh is tender; has very few seeds. Plants are hardy and prolific. Is excellent for pickles, boiled, fried, stewed, etc. Easy culture.

Pkt. 15c; ½ oz. 80c; oz. \$1.50; 4 ozs. \$5.00, postpaid

MAKE YOUR GARDEN WORK

Many people think that seeds cannot be planted any other time than in April and May. This is far from true. The wide-awake gardener begins sowing as early in the spring as possible, and sows succession crops throughout the summer and until late in the fall. Succession crops are most important, since they provide fresh vegetables for Fall and Winter. A cellar full of stored vegetables is a good investment. Grow all the vegetables your garden can produce.

ENDIVE



Endive is one of the best and most wholesome salads for fall and winter use. Sow in shallow drills in April for early use or for late use in June or July. When 2 or 3 inches high, transplant into good ground or thin out to 1 foot apart. When nearly full grown, and before they are fit for the table, they must be bleached. This is done by gathering the leaves together and tying with yarn or bass to exclude the light and air from the inner leaves, which must be done when quite dry, or they will rot.

STIMUGERM

LEGUME INOCULATION

Makes a

Wonder Garden

Green Curled—Leaves finely cut or lacinated.

Per pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25

White Curled—Does not need blanching, the midribs being naturally of a pale golden-yellow, and the finely cut and curled leaves almost white.

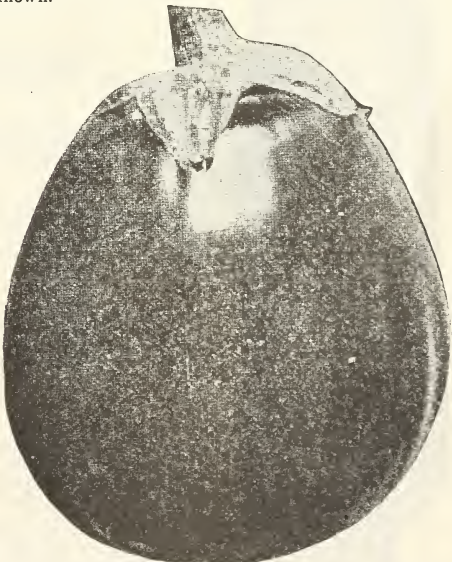
Per pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50

Batavian—Large heads of broad, thick leaves, which can be blanched as a salad or make excellent cooked greens.

Per pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50

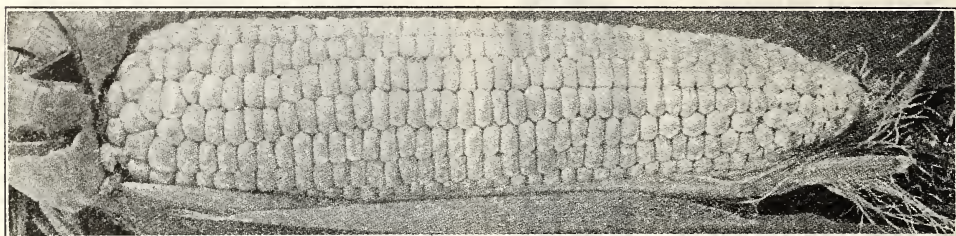
EGG PLANT

Every garden should have a few Egg Plant plants. These are easily grown and bear a good crop with little attention. Egg Plants, sliced and fried, are delicious and would be much more popular if better known.



BLACK BEAUTY

CORN--Sweet or Table Varieties



"GOLDEN BANTAM"

Earliest and Best of All Extreme-Earlies—Most Surpassingly Delicious in Flavor—Most Famous Corn Grown

Golden Bantam—Is becoming each year more firmly fixed in popular favor, because of its extremely early character, vigorous growth and surpassing delicious flavor.

Although the dry grain is entirely free from any flinty glaze, it is exceptionally hard and firm, hence can be planted earlier than any other true sweet corn. The stalks are dwarf and sturdy in habit, growing to a height of four feet; they bear two and three good ears, which are set well above the ground. The ears, five to seven inches in length, have eight rows of broad yellow grains, extending to the extreme rounded tip.

Pkt. 10c; lb. 25c; 5 lbs. \$1.00, postpaid

GOLDEN CREAM

This sweet corn is of California origin and the result of crossing the Golden Bantam on the Country Gentleman. The Golden Cream resembles the Country Gentleman in appearance, having the same irregular rows and has also the deep-pointed kernel and the slender cob of that variety, otherwise it is entirely distinct, being of dwarf habit in growth, having an ear about the length of the Golden Bantam, and differs from the Country Gentleman in time of maturity, being very early.

Per pkt. 10c; lb. 30c, postpaid

HOWLING MOB

For the earliest supply of fine, large, handsome ears, having the true sweet or sugary flavor, we feel that we cannot recommend the Howling Mob too strongly, either for home use or to the market gardener having a trade for quality in garden products.

Per pkt. 10c; lb. 30c, postpaid

STOWELL'S EVERGREEN

Stowell's Evergreen—This has long been the leading main-crop variety for home use, market and canning. Our stock is carefully selected, and can be depended upon to produce fine large ears of superior quality. The grains of good size, are long and slender—entirely free from glaze or flintiness. Per pkt. 10c, lb. 25c; 5 lbs. \$1, postpaid

BLACK MEXICAN

Black Mexican—A medium-early variety, growing about six feet in height, ears eight inches long, well filled with eight rows of large rather flat grains, which are a deep bluish purple of superlatively sweet flavor.

Pkt. 10c; lb. 30c, postpaid

COUNTRY GENTLEMAN

Country Gentleman—Has a small white cob densely covered with irregular rows of deep, splendid white grains of delicious flavor. Ears average 8 to 9 inches in length. The stalks grow about 6 feet high and average three or four ears each.

Pkt. 10c; lb. 30c, postpaid

PORTLAND MARKET

An Oregon introduction, a very early, large eared sweet corn and very productive. Its large well-filled ears together with its plump, sweet grains of purest white, make it a most profitable home or market variety. Very popular with our market gardeners.

Pkt. 10c, lb. 25c; 5 lbs. \$1.00, postpaid

OREGON EVERGREEN

The flavor and sweetness have not been excelled and the extreme whiteness of the large ears makes it very beautiful and valuable for canning. It is large and the stalks produce more ears than any other variety and have a very heavy husk over the grains, protecting them from insects and keeping the ear fresh a long time after cutting.

Pkt. 10c; lb. 30c, postpaid

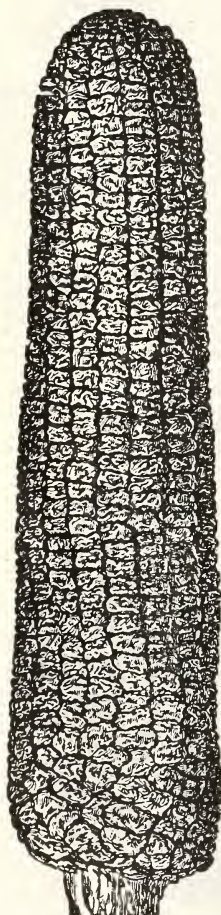
POP CORN

Black Beauty—We believe this is not only the earliest maturing variety in cultivation but it is ready for popping earlier than any other sort. It pops very large and exceptionally white. The kernels are black but this color is not noticeable after popping, when this sort is the largest and most tender of all. The ears are about six inches long, twelve rowed. The kernels are smooth, shallow and are nearly square.

Per pkt. 10c

White Rice—A very handsome and prolific white variety. The ears are five to seven inches long. The kernels are long, pointed and somewhat resemble rice. This excellent rather late maturing variety yields heavily and is considered the best pop corn for parching.

Per pkt. 10c



STOWELL'S EVERGREEN

FIELD CORN

THESE VARIETIES HAVE ALL BEEN GROWN ESPECIALLY FOR SEED. THE SEED IS WELL CURED AND TRUE TO NAME.

There is no longer any doubt as to Corn being grown successfully in the Northwest, and careful tests have proven the following to be adaptable to our coast climate. As a fodder crop corn cannot be excelled, and cut green and packed in silos it makes a valuable green feed for milch cows.

We can quote very low price on Corn in lots of 10 lbs. and over. Write and ask us.

MINNESOTA No. 13

This dent corn has been a surprise to its users on account of its extreme earliness. The ears are not as large as some other varieties, but its large production of ears makes it a heavier yielder than most others.

The ears are of handsome appearance, bearing 16 to 20 rows of bright, yellow, smooth wedge-shaped kernels packed closely on the cob from butt to tip. The ears average eight inches in length and are borne usually two on a stalk. No corn excels in quality the Minnesota No. 13; the cobs are well filled and the individual kernels plump and of good color.

Minnesota No. 13 thoroughly matures in ninety days when planted on favorable soil and in a good location, but ninety-five to one hundred days places it out of danger under average conditions. It may be planted as late as the second week in June and yet safely mature a crop.

Per lb. 15c, postpaid

IMPROVED LEAMING

A very popular and extremely productive variety. On good land the stalks grow tall, producing two good ears to each stalk. The ears are long, with small red cob, well filled with grains of medium size, of a rich golden color. It ripens in from 100 to 110 days, and makes a good crop even in dry seasons, by reason of its strong vigorous growth. Stalks are leafy, making excellent fodder, while the grains, being so deep, yield an extra large quantity of shelled corn per bushel of ears.

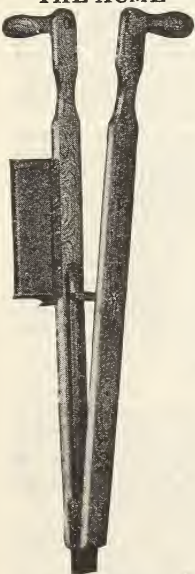
Per lb. 15c, postpaid

EUREKA ENSILAGE

This variety is a favorite for the silo. But some objection has been expressed, that the stalks are too large to be handled conveniently. This would indicate that it had been grown on very rich soil. It is very stalky and stands up well. The tonnage of silage per acre will average well above 20 and may yield 30 tons. Any claim above this is based upon individual acreage. Per lb. 25c; 10 lbs. \$2.00, postpaid. Write for quantity price.

HAND CORN PLANTERS

THE ACME



Corn Planter
Price, \$1.25

THE ACME CORN PLANTER

A two-handed planter; light, strong and durable. Especially adapted for planting in heavy, cloddy or stony soils. The seed dropper of the Acme is a straight slide, which works horizontally and will drop seeds ranging from popcorn to large kidney beans. Made with spring brass cut-off and steel blades.

Acme Corn Planter, weight
5 lbs.\$1.25

THE SEGMENT ONE-HAND CORN AND BEAN PLANTER

A light, strong, accurate planter. The working parts are of steel, the brush of genuine Chinese bristles, the seed box and hopper of galvanized iron. As the name of the planter indicates, the slide is the segment of a circle and so constructed that there is no friction of lost motion.

Segment Corn Planter,
weight 5 lbs.\$2.00
If wanted by mail add postage.

THE ROTARY HAND CORN PLANTER

Automatic—One Hand

Puts the right number of kernels just where you want them and at the proper depth, requiring only one hand, either right or left. Weight packed, 6 pounds.

Price, \$2.50

PRIDE OF THE NORTH

A Dependable Early Yellow Dent Corn. In some sections of the Northwest it equals other varieties in yield and quality. The stalks are well proportioned, being short jointed and leafy. Two or more well developed ears are frequently found on a single stalk. The kernels are very deep and closely set on the ear. Pride of the North shells more Corn in proportion to cob than most other varieties grown in the West. It is specially valuable to stockmen, to feed in the bundle thus saving the expense of husking. Average height of stalk 8 feet, average distance base of ear from ground, 3 feet.

Per lb. 15c, postpaid

PRIDE OF THE WEST

Oregon grown; acclimated. A grand success in Oregon. We have been raising this variety for years, and by selecting the earliest ripening and best select ears, now have a strain that is a revelation to many people who have thought Oregon and Washington could not raise profitable field corn.

Per pkt. 10c, lb. 15c, postpaid

EVERGREEN SWEET FODDER CORN

All varieties of sweet corn possess very much more "sugar" than any feed sort, and this being the most important constituent, it necessarily follows that the corn holding this in greatest quantity has the greatest net value. Evergreen Sweet Fodder grows much taller than the Early Sweet Fodder and makes well formed, but not matured, ears in almost any part of the Northwest. Drill $1\frac{1}{2}$ to 2 bushels to the acre.

Per lb. 20c, postpaid

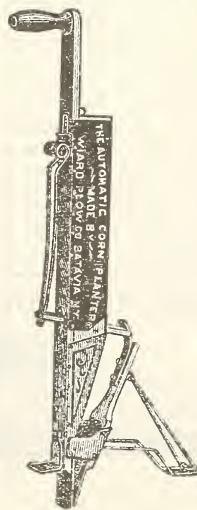
CHAMPION WHITE PEARL

A large, White Dent variety; very popular with our dairymen on account of the great amount of green feed it makes.

lb. 15c, postpaid

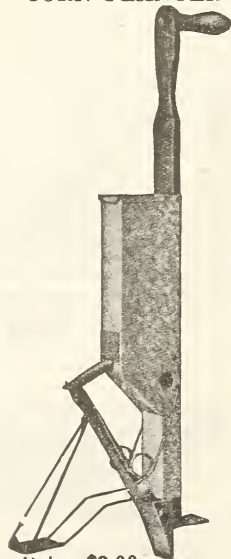
THE ROTARY HAND CORN PLANTER

Automatic—One Hand



Price \$2.50

THE SEGMENT ONE-HAND CORN PLANTER



Price \$2.00

CUCUMBER

The Cucumber requires well-enriched soil, and should not be planted until settled warm weather, in this latitude, seldom before the middle of May. Plant the early, small kinds in hills $3\frac{1}{2}$ to 4 feet apart, the larger varieties 5 to 6 feet. Make the hills broad, use 15 to 20 seeds to the hill, dropping them well apart. Cover with not over an inch of earth, and firm this well with the hoe. If the young plants are attacked by the striped bugs or other insects, dust frequently with air-slacked lime, soot or ashes mixed with road dust, taking care that too much is not used at one time. When all danger from bugs is past, thin to three plants to the hill. Give frequent shallow cultivation as long as vines will permit.

Arlington White Spine—The cucumbers are very regular in outline, uniform in size, averaging seven to eight inches in length, straight and of a rich, dark-green color. Flesh white, crisp, and solid, with comparatively few seeds. Vines are of vigorous growth and very productive.

Per pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00, postpaid

Davis Perfect—Fruits very deep green in color, rather long, averaging ten inches or more in length, white spined, quite slender, symmetrical, tapering slightly at both ends. Flesh is crisp, tender and of good quality. The seed cavity is small. The vines are very vigorous growing and quite productive. Recommended as one of the best sorts for shipping as it retains its attractive dark color for a long time after picking.

Per pkt. 10c; oz. 15c; 2 oz. 25c; $\frac{1}{4}$ lb. 40c; lb. \$1.50

Extra Early Green Prolific, or Boston Pickling—This is a very prolific variety, largely planted for pickles. The fruits average four to five inches in length when large enough for slicing, and are of excellent quality; but it is chiefly for producing medium-sized pickles that this variety is so highly esteemed. If the fruits are gathered as soon as large enough, the vines will continue bearing through a long season.

Per pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; per lb. \$1.00

Fordhook Famous—The longest White Spine, the finest flavored of all. This is the handsomest and best of all long green cucumbers; always straight and well formed, they never turn yellow, and critical buyers are willing to pay an extra price on market for these unequalled fruits.

Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.40, postpaid

Fordhook Pickling—This is one of the best and most prolific varieties for producing pickles of medium size, both for home use and market, or to grow for the pickle factories.

Per pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00, postpaid

Serpent or Snake Cucumbers—Have you seen this Cucumber, as long as 2 feet, coiled up like a snake? A singular and remarkable curiosity. It is good for food, but is grown more on account of its oddity.

Per pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 45c, postpaid

SEEDS DELIVERED FREE. All seeds listed will be sent to you postpaid, except where quoted by express. By express means that we will ship according to your instructions, by either express or freight collect, the forwarding charges to be paid by customer upon arrival of the seed.



Long Green (The old stand-by)

London Long Green—This is an old-time popular garden favorite. Under favorable conditions produces dark-green fruits from ten to twelve inches in length. Skin a deep rich green; flesh solid, crisp and of excellent quality.

Per pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00, postpaid

Japanese Climbing—A useful variety for growing on a trellis or wire. The cucumbers are long, of a dark green color, white flesh, crisp, and of a good flavor.

Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 50c

Lemon Cucumber—This dainty little cucumber resembles a lemon both in form and color, having a distinctive flavor superior to and not found in any other cucumber. The Lemon Cucumber is so prolific that a single vine will be ample for the needs of the average family. It is also said that the Lemon Cucumber can be eaten without fear of harmful results that some experience from eating cucumbers.

Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.00

West India Gherkin—A very prolific small-fruited variety, used exclusively for pickling. It is not properly a cucumber, and of no value for slicing. The fruits are two to three inches in length, thick, rounded form, closely covered with spines. Vines rather slender, with small foliage, but of strong growth.

Per pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c, postpaid

Fordhook White Spine—The fruits are nearly cylindrical in form, slightly pointed at the ends, perfectly smooth, of deep rich coloring, marked with distinct white lines at the blossom end. They are of extremely handsome and attractive appearance. Vines are vigorous in growth and enormously productive. Fruits retain their dark-green coloring and crisp freshness longer after picking than any other variety—excepting only the new "Fordhook Famous." They retain also their fine quality even after the seeds are well formed. Splendid as table cucumbers and for market, while it is equally as desirable for commercial pickles. Per pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; per lb. \$1.25, postpaid.

NOVELTY CUCUMBER "CHINA-LONG"



A most remarkable and handsome new long green cucumber from China. The most fleshy and finest flavor of the long green type. The vines make a tremendous growth. They are unusually vigorous, bearing an enormous crop. The foliage is rich dark green and is quite resistant to diseases and insect attacks.

China-Long makes perfectly straight fruit. They average about 20 inches. They are thickest in the middle of fruit, where they average 2 to 3 inches in diameter. The attractive fruit tapers gently towards the ends, holding their

Per pkt. 15c, postpaid

THOUSAND HEADED KALE

Thousand Headed Kale—This is a variety of cabbage. The plant attains a height of three to four feet. The stem is covered with leaves which form small heads. Animals, especially sheep, eat it greedily. It grows well on most any land and is hardy. The seeds may be either drilled or broadcasted, but we think drilling is better. If drilled, plant in rows 26 to 30 inches apart, so that plants may be thinned out so as to stand 16 to 18 inches apart in the rows. In drilling use $\frac{3}{4}$ to 1 pound of seed to the acre. In broadcasting $1\frac{1}{2}$ pounds are required. Prices by mail, postpaid, large pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 15c; lb., 40c.

MARROW CABBAGE (Chou moellier)

WHITE STEMMED MARROW CABBAGE

Marrow Cabbage is a valuable dairy and poultry food, very similar to Thousand Headed Kale, but even more prolific. The plants average four to six feet in height, with stalks five to six inches in diameter and weight fourteen to twenty pounds. The stalks are edible and relished by cows. The lower leaves are broken off and fed as they mature.

The plant is not so hardy as Thousand Headed Kale, but is most valuable for green feed in fall and early winter. The culture is the same as for Kale and Cabbage. One pound of seed will produce plants for one acre.

Pkt. 5c; oz. 15c; lb. \$1.50; postage extra.

Every one with Poultry should have a patch of Kale or Marrow Cabbage.

KALE or BORECOLE

This is extensively grown, especially in the South during the Fall, Winter and Spring. The leaves are used principally for greens. A favorite way is to cook them with bacon. The leaves are also used for garnishing.

Where climate permits seed may be sown any time from August to October, broadcast or preferably in drills eighteen inches apart so that the plants when small may be cultivated. The quality is improved rather than injured by frosts if not too heavy. Farther North sow in April or May in rich light soil in rows two to three feet apart and where plants of the largest size are desired thin to two feet apart in row. It is better not to cut or handle the plants while frozen, but if this is unavoidable, thaw them out in cold water. The young shoots which start up in the Spring from the old stumps are very tender and make excellent greens.



Tall Green Curled Scotch Kale—The plant of this variety grows to three or four feet high, bearing long plume-like, light green leaves which are deeply cut, also finely curled at edges. Very ornamental and so hardy that a moderately heavy frost improves rather than injures its quality.

Per pkt. 5c; oz. 15c; 2 oz. 25c; $\frac{1}{4}$ lb. 40c; lb. \$1.25
Dwarf German or German Greens (Dwarf Curled Scotch)—Leaves are curly, bright green, very tender and delicate in flavor.

Per pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c; lb. \$1.75, postpaid

GARLIC

The Garlic is the most pungent of all the onion family. It is much used in the south of Europe. The root or bulb is composed of many small bulbs called "cloves," which are planted in the Spring 6 to 8 inches apart, and in August the bulbs are ready to gather. Bulbs, lb. 25c, postpaid

HORSERADISH

Sets planted in May, small end down, with the top one inch below the surface, in rich, well-cultivated soil, will form radish of large size in one season's growth. Of the common variety, we offer small roots, 8 for 20c; 25c per dozen, or 90c per 100, postpaid. By express or freight, per 100, 75c. Write for price in quantity.

KOHL RABI

The edible part is the turnip-shaped bulb formed above ground. It is tender and excellent when used before fully grown, combining somewhat the flavors of cabbage and turnip.

Seed should be sown in light, rich soil as early in Spring as possible in rows one and one-half feet apart and when well established thin to six inches apart in the row. Plantings at intervals of ten days will give a succession until hot weather, when they fail to grow well. Plantings may be made the latter part of July for Fall use.

Early White Vienna—This variety is extremely early, with distinctly small tops. The bulbs are of medium size, very light green or nearly white, and are of best quality for the table if used when about two inches in diameter.

Per pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$3.00

Early Purple Vienna—Same as above except in color, which is purple.

Per pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c



A. B. C. PLANT PROTECTORS



SPECIAL NON-CURLING TAR FELT PADS
PROTECTS
FROM
CABBAGE
ROOT
MAGGOT



No maggot fly will be able to lay eggs around the stem of your young plants if you use A B C Protector. You won't lose 10 to 30 and 40 per cent of the planting, by the stems being eaten away. Last year A B C Protectors were used in all parts of the United States and Canada, many customers reporting that A B C's produced anywhere from 90 to 100 per cent crops. Prices as follows, postpaid:
Per doz. 10c; per 50, 30c; per 100, 40c; per 500, \$1.50; per 1000, \$3.00.

LETTUCE

For early outdoor culture in the latitude of Portland and Southward the seed may be planted in the Fall, protecting the young plants from severe freezing either with frames or coarse litter, which may be removed as soon as danger of severe freezing is over.

Lettuce in ground out of doors will stand some freezing, but is killed by prolonged frost or frequent freezing and thawing. North of Portland an early crop may be secured by starting under glass from January to March and hardening off well before setting in ground, which should be done as soon as weather will permit.

Culture—Lettuce, to be at its best, should be grown rapidly, hence, the soil should be made as rich and friable as possible by liberal manuring and thorough preparation. For winter, sow under glass from November to February and thin out as necessary to prevent crowding. Keep a moderate heat and give all the light and air possible. For general crop, sow outdoors as early in the Spring as the ground can be worked, in drills eighteen inches apart and thin the young plants to four inches apart in the row. As the plants begin to crowd, thin them out and use as required. In this way a much longer succession of cuttings may be had from the same ground.

New York or Wonderful Lettuce

THE KING OF ALL HEAD LETTUCE

The real test of any variety is what it does in the hands of the market gardener and commercial grower. The man who depends on his crops for his bread and butter is going to plant that variety which he knows will yield the best crops. The commercial grower cannot afford to take any chances on the variety he plants. He MUST have the best.

The seed we offer is grown by the best growers in the country. The genuine New York or Wonderful forms such a solid head that the seed stalk is unable to break through. Our seed is saved from only such heads which must be cut to let the seed stalk come out.

Buy Butzer's New York or Wonderful and you'll get the best. Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50, postpaid.

NEW YORK NUMBER TWELVE LETTUCE

The introducer says: "This is a single plant selection of our own culture which we have been breeding for several years. We believe it to be the outstanding selection of this variety and a great improvement over any existing types of New York. No. 12 is much earlier, makes large solid heads, uniform in maturing and of the flat head type. Several fields of this strain produced better than 80 per cent of No. 1 heads inside of 65 days from planting." Order early; last season we could not supply the demand. Pkt. 10c; oz. 50c; ¼ lb. \$1.00

CREAMY HEART

The introducer says: "A selection we have made from California Cream Butter. It is similar to that sort, but is earlier and without any brown spots or brown edge, and is of most excellent, tender quality. It is very desirable for early spring planting, where a butter head variety is demanded both for market and home garden. We believe it has a place in the list of lettuce, in that, for early planting it is superior to Black Seeded Tennisball and similar varieties." Pkt. 10c; oz. 50c; ¼ lb. \$1.00

BIG BOSTON

This is a fine forcing variety for cold frames during the winter months, as it produces heads of very large size in a cooler temperature than most forcing strains. Large heads are beautifully blanched and of superior quality. It heads well in the open ground during cool weather of spring and fall; is very popular. Our seed is an extra selected strain.

Per pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75

Burpee's Butterhead—A grand mammoth hard-heading Cabbage Lettuce. Plants twelve inches across, with extra large, solid round heads, that are particularly rich and buttery in flavor, always well blanched and tender. The inner leaves are beautifully white and curled like a fine Savoy Cabbage. Splendid for summer use, both for the home table and for market. Most highly recommended.

Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50, postpaid

Brown Dutch—Outer leaves large, thick, green tinged with brown and covering a solid head which is beautifully blanched, sweet, tender and well-flavored. The variety is desirable because of its hardness and is well adapted for planting in the South as a winter lettuce. Pkt. 5c; oz. 15c; 2 oz. 25c; ¼ lb. 40c; lb. \$1.25

California Cream Butter, or Royal Summer Cabbage—A very reliable heading sort, with glossy deep green leaves, the outer ones slightly spotted or splashed with brown. The inner leaves form a large very solid head, rich light yellow in color, very thick, tender and buttery. Pkt. 5c; oz. 15c; 2 oz. 25c; ¼ lb. 40c; lb. \$1.25

Hanson—Grows to large size, and is uniformly sure heading. Heads very solid and beautifully blanched; crisp, mild and tender. One of the finest varieties to grow for market during the summer months. Our stock is unexcelled.

Per pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.25, postpaid

DEACON, SAN FRANCISCO MARKET, LARGE RUSSIAN, or VAUXHALL

This magnificent lettuce stands hot weather better than any other of the rich butter varieties, and is justly most popular. Plants make firm heads, nearly as large and almost as solid as cabbages. The heads are light green outside, while the inner blanched portion is beautiful cream-yellow, of delicious, rich buttery flavor.

Per pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50, postpaid

Iceberg—The unusual solidity of the heads is insured by the large, white main ribs of the leaves, each of which, curving strongly into the center, acts like a truss, making it impossible for the leaves to open outward and expose the center, which is constantly thoroughly blanched. It matters not whether grown to head in the early spring or the hottest days of summer, the leaves are always crisp and tender.

Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50, postpaid

MAY KING

The heads are very attractive, outer leaves being yellowish-green, tinged with brown, while inside it is richest golden-yellow. It is somewhat similar in appearance to Boston Market, but matures earlier and is lighter green in color, with less of the brownish tint.

Per pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00

Wayahead—A very fine, very early strain of famous May King Butterhead, which it surpasses in every respect. 75 days to mature.

Pkt. 5c; oz. 35c; ¼ lb. \$1.00; lb. \$2.00, postpaid



Makes a
Wonder Garden

LETTUCE -- LOOSEHEAD CUTTING

BLACK SEEDED SIMPSON

One of the best varieties for early sowing out of doors where a large, thin, exceedingly tender leaf is desired and for those markets which demand a large, loose clustering sort, light yellowish green. Leaves large, thin, slightly ruffled and blistered, even the large outer ones being quite tender. Uniformly attractive, of excellent quality and continues a long time in condition for use.

Pkt. 5c; oz. 15c; 2 oz. 25c; ¼ lb. 40c; lb. \$1.50, postpaid

EARLY CURLED SIMPSON'S

An early, erect growing, clustering variety. Leaves light green, slightly frilled and much blistered, sweet, tender and well-flavored. The sort is especially adapted for sowing thickly and cutting when the plants are very young.

Pkt. 5c; oz. 15c; 2 oz. 25c; ¼ lb. 40c; lb. \$1.25, postpaid

EARLY PRIZE

This old standard variety is still the best of the large, thin-leaved clustering sorts for the home garden, but is too tender to stand shipping or handling on the market. The leaves are very large, crimped, bright green tinged with brownish-red and are exceedingly tender and sweet.

Pkt. 5c; oz. 15c; 2 oz. 25c; ¼ lb. 40c; lb. \$1.35, postpaid

GRAND RAPIDS

This does not form heads, but makes large compact bunches of light leaves with fringed edges. Its delicious quality and handsome appearance make it most popular in winter markets. It is useful also for outdoor planting during spring and fall. Our stock is extra fine.

Pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25, postpaid

CHICKEN LETTUCE

A variety recommended for chicken-feed only, as it produces a large bunch of leaves. When running to seed, grows 4 feet tall and supplies lots of green feed. A fine tonic for laying hens. Pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.50

Cos or "Celery" Lettuce—Salad Romaine

This is the Lettuce that is served at the best hotels and restaurants under the name of "Romaine Salad." It differs from ordinary Lettuce by the shape of the leaves, which are elongated, spoon-shaped and very crisp. It is grown in the same manner as Cabbage Lettuce, but does not make a solid head. The seed should be sown early in the Spring, in good soil, and when plants have three leaves thin out to stand about 4 inches apart in the row, and when plants are of a sufficient size the leaves should be drawn together and tied, in order to blanch the inner ones.

EARLY WHITE SELF-FOLDING

This excellent variety, also called Trianon, forms a large light green plant with a well folded head of very good quality. The midribs are white and very prominent. The inner leaves are nearly white, slightly tinged with green, and are decidedly firm and sweet. This is considered the most reliable of the Cos or celery lettuces for the home garden or market gardeners' use in this country.

Pkt. 5c; oz. 15c; 2 oz. 25c; ¼ lb. 40c; lb. \$1.50



ECLIPSE, OR EXPRESS

Eclipse, or Express, is a dwarf extra early sort, growing about six inches in height, with the leaves very closely folded together.

Per pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50

LEEK

This belongs to the onion family and is a good fall and winter substitute for green onions. The leaves are flat, and the stems are very large, cylindrical and bulbous. Sow early in spring in drills 12 to 15 inches apart, covering one-half inch deep. Thin plants to six inches apart in row and draw the earth about them when cultivating. If one desires very white and tender leeks, transplant when about six inches high, setting four inches apart in trenches about two feet apart and gradually earth up like celery.

Broad London, or Large American Flag—This is a strong growing variety, producing large, thick stems of sweet flavor when properly blanched. Per pkt. 5c; oz. 25c.

Market-Gardeners

are requested to send us a list of the vegetable seeds they intend purchasing. We shall be glad to submit low prices on them. Market-gardeners who purchase seed in large quantities are entitled to a reduction in accordance with the quantity bought. Write us fully and we shall be very glad to reply and give prices.

FERTILIZERS FOR LETTUCE

To grow the best tender Lettuce it is advisable to have a very rich, friable soil. The quality of this vegetable is largely dependent upon the rapidity with which it is grown, therefore liberal manuring and thorough preparation are profitable. We recommend for this purpose, Morecrop Fertilizer and Sheep Manure.

HUMAN

Human—I take pride always in trying to be correct in all my shipments. However, I am but human, and occasionally make mistakes, like other poor mortals; but when I make a mistake I want to remedy it. If in the course of business with me you find an error or mistake on my part, please write a letter with a plain statement of facts, and you may depend upon receiving honorable and pleasant treatment. Don't get angry and come at me like going to war. I pride myself on having a large warehouse full of patience, but am not indifferent to facts pleasantly stated, and separated from abuse.

MUSK MELON—SALMON FLESHED

Culture—Plant the seed in hills six feet apart each way, dropping ten to twelve seeds in a hill. After the plants begin to crowd and the striped beetles are pretty well gone, thin to four of the most vigorous plants in a hill. Give frequent but shallow cultivation, until the plants make runners so long that this is impracticable. Rich earth for the young plants is far better than manure, but if the latter must be used, see that it is well rotted and thoroughly mixed with the soil.

If the plants grow very rank, more and finer fruit will be secured by allowing the main branch to continue growing, but pinch off the end of each side branch after it has one fruit set. The quality of melons of all varieties is largely dependent upon conditions of growth and ripening. Unhealthy vines or unfavorable weather produces fruit of comparatively poor flavor.

Burrell Gem—Melons six to seven inches long, four and a half to five inches in diameter, sharply sloping at the ends. They are quite well ribbed and covered with a fine grayish netting. The skin is a rich dark green, contrasting finely with the deep orange-salmon colored flesh, sweet and tender. The flesh is thick and firm, ripening close to the skin, leaving only a thin rind. Pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; lb., \$1.25, postpaid.

Burpee's Fordhook—The most perfect cantaloupe. It is about the same size as Improved Jenny Lind, very thick flesh, of orange yellow, very small seed cavity, comparatively few seeds, flesh very solid and of very high flavor, flesh staying solid and firm after melon has become quite yellow, making it an excellent long distance shipper. The vines are healthy and a very strong grower, setting fruit close to hill and keep on setting fruit throughout the season to end of vine. They are well ribbed, very heavily netted, weighing about two pounds apiece. Per pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 50c; per lb. \$1.50, postpaid.

BURPEE'S "SPICY" CANTALOUPE

The Spicy is of vigorous growth, wonderfully prolific and strikingly distinct. The handsome melons average about nine inches long by six inches in diameter and are very solid with an unusually small seed cavity. The firm flesh is of the richest salmon color.

Per pkt. 15c; oz. 30c; $\frac{1}{4}$ lb. 85c; lb. \$3.00

"Edwards Perfecto"—"Salmon Fleshed Rockyford". "Better than Pollock 10-25". Fruit uniform in size, nearly round, and densely covered with a hard gray netting. Flesh very thick with a delightful salmon-color shading into green as it nears the rind. The Perfecto has the deepest flesh, smallest seed cavity and more salmon color than any type of Rockyford shipping melon. The small seed cavity is an aid in shipping as well as appearance.

Pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 75c; lb. \$2.00

Golden Eagle—The oval fruits average ten inches in length and seven inches in diameter; heavily ribbed and netted, with skin of a light golden hue when ripe. The thick flesh is of a rich salmon, sweet and melting, with a delightful aroma. It is particularly desirable for heavy soils, and continues bearing throughout the season.

Per pkt. 10c, oz. 30c

Hearts of Gold—This melon runs very uniform in size. It is a splendid shipping variety and is increasing in use. The melons are oval to oblong in shape and are a little larger than the Rockyford variety. While it is a ribbed melon the ribs are not prominent and the melon is very heavily netted. The flesh is a rich orange color, fine grained and of excellent flavor. The seed cavity is small. It does not turn yellow when ripe but retains its natural green color and remains solid and firm for days after it is picked from the vine. The vines are very strong growers and are rarely affected by rust. Hearts of Gold might be considered one of the leading commercial varieties in California for shipping purposes and we strongly recommend it be given a thorough trial. Pkt. 10c; oz., 20c; $\frac{1}{4}$ lb., 55c; lb., \$2.00, postpaid.



Emerald Gem

Emerald Gem—Small to medium size; skin deep green, generally smooth; flesh thick, rich salmon, not surpassed in richness and flavor. But few varieties are so nearly certain to produce uniformly good melons.

Per pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c

Osage, or Miller's Cream—The fruits are larger than those of the Emerald Gem; nearly round in form, but having the same distinct dark green skin, with lighter bands between the ribs, and thick, firm, orange flesh of fine quality. Per pkt., 5c; oz., 15c; $\frac{1}{4}$ lb., 40c; per lb., \$1.25, postpaid.

"Paul Rose," or Petoskey—The fruits are nearly round, or slightly oval, rather larger than Netted Gem, ribbed and heavily netted; of a light green or faint golden hue when fully ripe. The flesh is thick, of rich, deep orange color, and ripens close down to the rind, with small seed cavity. The bright salmon flesh is much firmer than that of our Emerald Gem. It is an excellent shipping variety of handsome appearance and good quality. Per pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; per lb., \$1.00, by mail, postpaid.

Gold-Lined Rocky Ford—Of a fine uniform shape and without ribs; slightly oval; meat thick, light green, with a light golden yellow rim. Flesh very sweet and spicy. There is no better melon than this.

Per pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.25

Banana Muskmelon

A long yellow-fleshed melon. A very interesting and at the same time a splendid melon. The melon is from 20 to 28 inches long and almost solid. The meat is of a rich salmon color, and has a flavor which is truly delicious. Don't pick the melons until they are thoroughly ripe, as they are then at their best. Plant some Banana Melons for home use and county fair exhibits. Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25.



MUSK MELON—GREEN FLESHED

Extra Early Hackensack—This is a selection of the popular Hackensack, ripening fully ten days earlier. Melons of good size, heavily-ribbed and netted; thick, light green flesh of fine flavor.

Per pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.50, postpaid

Montreal Nutmeg—This is a very large-fruited variety of superior quality. The large fruits are nearly round in form, slightly flattened at the ends, with very large, broad, heavy ribs. Dark-green skin, thickly covered with heavy netting. The flesh is two inches thick, light green, melting, and of delicious flavor. This is one of the handsomest varieties to grow for exhibition.

Per pkt. 10c; oz. 20c; $\frac{1}{4}$ lb. 60c; lb. \$2.00

Long Island Beauty—Fruits of large size, well-flattened, heavily ribbed and netted. Of very handsome appearance and fine quality. Most highly recommended; it ripens as early and is similar to Hackensack, but superior. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.50

Early Jenny Lind—This is a leading market variety by reason of its extremely early ripening and prolific bearing qualities. The melons are of small size, quite flattened in form, heavily ribbed and netted.

Per pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00, postpaid

Prolific Nutmeg—Fruits round, seven inches in diameter, slightly flattened at the ends. Well-ribbed and heavily netted.

Pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25, postpaid

Burpee's Netted Gem, or "Rockyford"—The most popular and finest green-fleshed Musk melon. The vines are of strong, healthy growth, comparatively short, and branch freely, setting a large number of fruits close the hill. The melons are even and regular in size and form, nearly round, or slightly oval. They are always finely netted, and the skin is of a light golden hue when fully ripened. The flesh is light green in color, melting and luscious in flavor, and ripens close to the skin, so that there is but a very thin rind in a well-grown fruit.

Per pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00, postpaid

Burpee's Bay View—Oblong fruits, twelve to fifteen inches in length. Vines strong, vigorous and productive. Fruits have broad, heavy ribs, well-netted with light-green flesh of good flavor.

Per pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25, postpaid

Burpee's Champion Market—A splendid variety of the netted Gem type, producing fruits nearly three times as large. They are regular in form, nearly round, averaging eight inches in diameter, with well netted ribs; thick, light-green flesh, with very thin rind and true Netted Gem flavor.

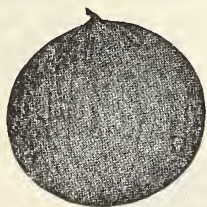
Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.50, postpaid

Acme, or Baltimore—Fruits of medium size, oval in form, with a slight neck at the stem end. Well-ribbed and heavily netted; skin turning to a golden tint when ripened. Flesh firm and of superior quality.

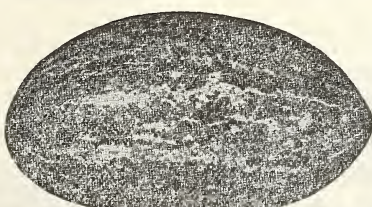
Per pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00, postpaid

CASABAS

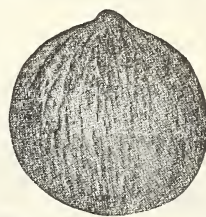
The Casaba is now at full zenith of popularity. Previously it was grown as a late melon to mature after the cantaloupe season. As a late melon its popularity was confined to a limited section near the Coast of Southern California. But it is now demonstrated that it can be grown in all semi-arid sections side by side with the early cantaloupes and watermelons. The carloads of large perfect Casabas of the Golden Beauty variety that were shipped from the San Joaquin Valley during the past two seasons, have proven the value of the Casaba as an early melon and good shipper equal to the watermelon and cantaloupe.



GOLDEN BEAUTY



A. & M. SANTA CLAUS



WINTER PINEAPPLE

Golden Beauty—One of the best casabas. It is a variety grown extensively for shipment from Southern California. The fruits are nearly globular, bright yellow with golden tint, with wrinkled skin, six to eight inches in diameter. The flesh is white, very thick, juicy and sweet.

Per pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 40c; lb. \$2.50

Hybrid Casaba—This excellent Casaba grows to a large size. Flesh nearly three inches thick and of excellent flavor. Many of you who have visited the market during the months of October and November must have noticed the melon and the fancy prices paid for it. Only a few growers had it in large quantities. It is a rampant grower, a large yielder, and bears up until killed by frost. The best time to plant is in June and July, and do not market them until well ripened. The increased demand for this melon will insure it a profitable late crop.

Per pkt. 5c; oz. 20c; lb. \$2.00, postpaid

Santa Claus—The name is appropriate to this melon. You can send nothing more delicious to your Eastern friends for a Christmas present. The rind has the appearance of the mottled Pomegranate Muskmelon. The shell is hard and about one-eighth of an inch thick. There is no seed cavity. The seeds are embedded in a jelly-like pulp. The light green flesh is absolutely stringless. Its flavor excels anything in the melon line; it is in a class by itself. It is beyond description. To taste it is to realize the truth of this statement.

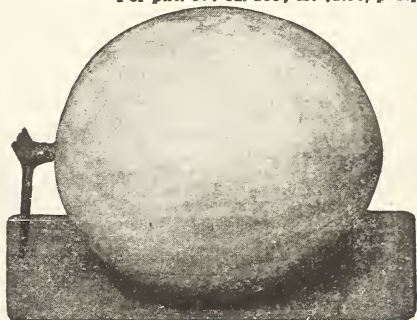
Winter Pineapple—This is the first of the Casabas introduced into America, and is the parent of a number of hybrids all of which excel it in excellence of flavor, but none equal it in keeping qualities.

Per pkt. 5c; oz. 25c; lb. \$2.50, postpaid

HONEY DEW MELON

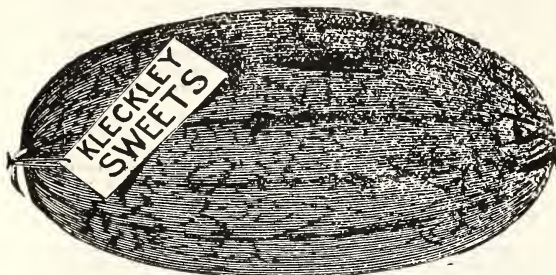
Unlike the ordinary muskmelon or cantaloupe both in appearance and flavor, the outer skin being smooth, hard and nearly white, being really of the Casaba type. The melons are large, round to oval in shape, extremely thick meated and have a very small seed cavity; flesh very solid and of a rich honey-like flavor, luscious and juicy, much more so than any variety of muskmelon.

Pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.00



WATER MELONS

Culture—In order to get good Water Melons, it is essential that the plants get a good start, and to this end it is important to prepare hills about eight feet apart by thoroughly working into the soil an abundance of well-rotted manure—hen manure, sheep guano, guano, or other forms rich in nitrogen, being most desirable. Over this highly-manured soil put an inch or more of fresh earth and plant the seed on this, covering it about an inch in depth. It is important that the seed should not be planted before the ground becomes warm and dry, as the young plants are very sensitive to cold and wet. When the plants have formed the first pair of rough leaves, they should be thinned, so as to leave two or three of the strongest and best to each hill. Frequent watering of the plants with liquid manure will hasten the growth, thus diminishing the danger from insect pests.



Burpee's Fordhook Early—Without a rival. This is the earliest large-fruited melon in cultivation—when grown from the genuine stock. Planted in hills six feet apart and without any special cultivation, producing a good number of the large melons before any other varieties have ripened, with the exception only of the small Cole's Early. These fruits are of good size, rather short and blocky in form, with large diameter. Skin dark green occasionally with faint stripes of lighter green. Flesh bright red, crisp, sweet and of splendid quality. Rind quite thin, but skin tough, making an excellent shipping variety.

Per pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25, postpaid
By express, \$1.15 per lb.



Cuban Queen—The melons are of large size and oblong in form. Skin beautifully striped in dark and light green. Rind quite thin, but tough enough for shipping. Flesh bright red, firm and of luscious quality.

Per pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c, lb. 85c

Cole's Early—Extra early but small; skin green, striped white.

Per oz. 10c; $\frac{1}{4}$ lb. 30c, lb. \$1.00

Dixie—A cross of Kolb Gem and old-fashioned Mountain Sweet, surpassing the former in earliness, productiveness and shipping qualities, and fully equaling the latter in quality.

Per pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25

Halbert Honey—A variety somewhat similar to Kleckley Sweets—of much darker color.

Per pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 35c; lb. \$1.00

Baby-Delight—Is a "real" watermelon, of luscious sweetness but diminutive size. The ripe melons weigh only from 3 to 6 pounds each. The skin is lustrous dark green, the rind thin but strong. The rich carmine crystalline flesh is always solid and of exceptionally sweet flavor.

Baby-Delight is, without doubt, one of the most prolific watermelons. It is a fine home garden variety of extra-early maturity.

Per pkt. 10c; oz. 35c; $\frac{1}{4}$ lb. \$1.00; lb. \$3.50, postpaid

Kleckley's Sweets—This most excellent variety is unsurpassed for home use or near markets. The vines are vigorous and productive. The fruits are medium to large, oblong, tapering slightly towards the stem end, dark green, often showing fine russetting. The flesh is very bright, rich red and is exceedingly sweet. The variety is so crisp and tender that it will not stand shipping, the fruit bursting open if subjected to even a slight jar, or when the rind is penetrated with a knife. Seed white.

Per pkt. 5c; oz. 15c; 2 oz. 20c; $\frac{1}{4}$ lb. 30c; lb. \$1.00

Tom Watson—A large, long melon similar in shape, color and splendid quality to Monte Cristo but averaging larger in size and with a tougher rind, making it especially adapted for shipping to distant markets. The vines are vigorous and productive. The flesh is rich red, sweet and tender. Seed white, more or less marked with brown. Wherever grown in the South it has become very popular as a shipping sort. There has been an increasing demand of late for a better quality of shipping melon and this demand has been met in a most exceptional degree by the Tom Watson.

Per pkt. 10c; oz. 15c; 2 oz. 20c; $\frac{1}{4}$ lb. 30c; lb. \$1.00

Burpee's Hungarian Honey—Small round; rich red flesh.

Per oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25, postpaid

Ice Cream, or "Peerless"—An oblong melon, with dark green skin. Flesh sweet; deep pink.

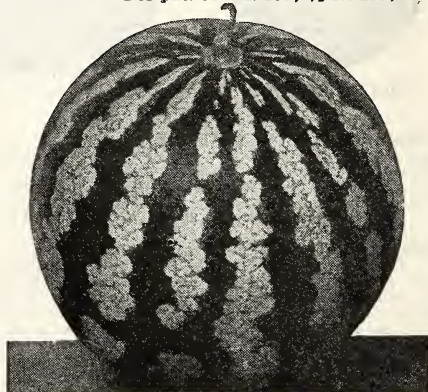
Per pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00, postpaid

Kolb's Gem—Oval shape and of a delicious, sugary flavor, bright red flesh, firm and solid. One of the most productive and best keeping melons. Good for marketing.

Per pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25

Sweetheart—Oval, light green mottled. Flesh bright red, very firm, yet tender. A fine shipper.

Per pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c



Citron—The fruits are medium sized, uniformly round and are used exclusively for preserves or pickles. The color is dark green, distinctly striped and marbled with light green. The flesh is white and solid but is not at all suitable for eating raw. Seed red. The fruits mature late in the fall and in this condition can be kept for a long time.

Per pkt. 5c; oz. 15c; 2 oz. 20c; $\frac{1}{4}$ lb. 30c; lb. \$1.00

MARKET-GARDENERS are requested to send us a list of the vegetable seeds they intend purchasing. We shall be glad to submit low prices on them. Market-gardeners who purchase seed in large quantities are entitled to a reduction in accordance with the quantity bought. Write us fully and we shall be very glad to reply and give prices.



MUSHROOM

Cultural directions, to be of any value, would be too lengthy to give here, but we will forward full directions for the planting and culture of spawn with each order.

No. 7 **BROWN (Bohemian)**—A good producer of heavy mushrooms.

No. 8 **CREAM WHITE**—A mammoth strain.

No. 9 **WHITE (Alaska)**—Popular market variety.

Pure Culture Mushroom Spawn with culture directions. Brick (about 1½ lbs.), postpaid, 40c. Write for price in quantity.

MUSTARD

Mustard is not only used as a condiment, but the green leaves are used as a salad or cut and boiled like spinach. Sow as early in the spring as the ground will permit, in drills about eighteen inches apart, covering one-half inch deep. For succession, sow every few weeks until Autumn. Water freely.

Chinese—The leaves are twice the size of the ordinary white mustard, and the flavor is sweet and pungent. Per pkt. 5c; oz. 20c; ¼ lb. 35c; lb. \$1.00, postpaid

White English—Leaves comparatively smooth and deeply cut; color medium dark green. The plant is upright in growth, inclined to branch as it approaches early maturity and soon bolts to seed.

Per pkt. 5c; 2 oz. 10c; ¼ lb. 15c; lb. 35c

Fordhook Fancy—Plants are of vigorous growth, and have beautiful dark green leaves which curve outward like fine ostrich plumes. It stands well, even during the hot summer months.

Per pkt. 10c; oz. 20c; ¼ lb. 45c; lb. \$1.25, postpaid

Ostrich Plume—Leaves dark green, beautifully curled and plume-like. Very vigorous and productive, stands well. Of distinctive flavor; superior to spinach for greens and excellent for salad.

Pkt. 10c; oz. 20c; 4 oz. 60c; lb. \$1.50

"Elephant Ear"—Each plant produces numerous extra large leaves of good substance and of most appetizing pungency. It succeeds well also from spring plantings, but does not make leaves so large during the warm summer as it does in the cooler fall or winter months. Grown in rich soil, the leaves attain eighteen inches to two feet in length; they are of a light-green color, with large white ribs or leaf-stalk.

Per pkt. 5c; oz. 10c

Southern Giant Curled—Leaves light green, frilled and much crimped at edge. Highly esteemed in the South for its vigorous growth and good quality.

Per pkt. 5c; oz. 10c; 2 ozs. 15c; ¼ lb. 20c; per lb. 65c

STIMUGERM

Legume Inoculation Makes a
Wonder Garden
PLANT STIMULANT TABLET

OKRA or GUMBO

Okra, or Gumbo—Cultivated for its young seed pods which are used in soups, or stewed and served like asparagus. It is highly esteemed in the South. Plant in hills about four feet apart, putting six to eight seeds in a hill, and after the plants are well started cut out all but two. The dwarf sorts can be planted much closer in hills, two to three feet apart, or in drills two feet apart, thinning the plants to about one foot apart in the row. Gather the pods when quite green and about an inch and one-half long.

Perkin's Mammoth Long Pod—The plant is dwarf growing even in size, and productive, maturing pods earlier than most sorts. The pods are long, slender, deep green and remain tender much longer than most sorts. Per pkt. 5c; oz. 15c; 2 oz. 25c; ¼ lb. 35c; lb. \$1.00

Dwarf White—The longest podded variety; the plants are two feet high and very productive. Produce pods long, greenish white, very thick and fleshy.

Per pkt. 5c; oz. 15c; 2 oz. 25c; ¼ lb. 35c; lb. \$1.00

PARSNIPS

Parsnips are usually grown on deep, rich, sandy soil, but will make good roots on any soil which is deep, mellow and moderately rich. Fresh manure is apt to make the roots a little coarse and ill shaped. As the seed is sometimes slow to germinate, it should be sown as early as possible in drills two and one-half feet apart, cover one-half inch deep and press the soil firmly over the seed. Give frequent cultivation and thin the plants to three or four to the foot.

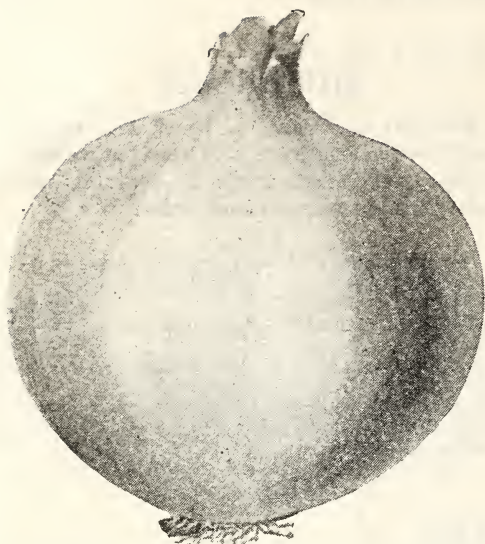
GUERNSEY

Guernsey (Improved Half-Long)—The roots do not grow so long as the Hollow Crown, but are of greater diameter and more easily gathered. The roots are very smooth; the flesh is fine grained and of most excellent quality. Per pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00, postpaid

LONG SMOOTH, or HOLLOW CROWN

Long Smooth, or Hollow Crown—A great cropper, tender, sugary and considered the best for general cultivation. Per pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00, postpaid





OREGON YELLOW DANVERS

The Old Reliable

The reputation of this great onion goes forward unchallenged year after year as the most reliable yellow onion grown. There is no onion whose character and worth can be more accurately measured by the confidence it has instilled in the onion seed buying than the Oregon Yellow Danvers. It has no enemies as it is conceded to be the best for the Northwest. It stands paramount on its great keeping quality and is more extensively grown than any other onion in the northwest. With such pronounced merits as earliness, productiveness, excellent table quality, fine keeper, enormous yield, it could hardly be other than popular. Order early.

Our seed is grown especially for us by the best onion seed growers in Oregon. No onion grower can afford to plant anything inferior when such seed can be obtained.

Pkt. 5c; oz. 25c; ¼ lb. 60c; lb. \$2.00

AUSTRALIAN BROWN

Quick to mature; a good keeper; solid and heavy; an excellent onion for shipping. The skin is a light brown. Its solidity gives it great weight and a sack weighs several pounds heavier than a sack of other varieties. The onions are thin-necked and ripen very early in all soils. As the plant makes a very quick growth it matures the bulbs before the hot, dry summer weather sets in, and this in connection with the exceptional keeping qualities makes it a most profitable variety.

Per pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$1.75, postpaid

CRYSTAL WHITE WAX

This variety is rapidly becoming the most popular of the Bermuda onions. It is a clear waxy white onion, and has the delightful mild flavor of the Yellow Bermuda. Like the Yellow Bermuda, it is of a somewhat flat shape, the onions sometimes grow to the size of saucers. This variety sells on the market at from 25c to 50c per crate more than the Yellow Bermuda, and in Portland it has largely replaced all other onions during spring and early summer. Is very firm and solid, and is the mildest and earliest of all onions. It does not keep as well as the Yellow Bermuda; however, it is very popular. You can pull green onions sixty days after planting the seed, and matures in 115 days. Prices: Pkt. 10c; oz. 30c; ¼ lb. \$1.00; lb. \$4.00, postpaid.

PRIZETAKER

A large Yellow Globe Onion of finest flavor, handsome shape and enormous size, many single onions having been raised to weigh three pounds or over. The Prizetaker grows always to a perfect globe shape with a bright straw-colored skin.

Per pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50, postpaid

ONIONS

Cultivation—Give the onions the first hoeing just skimming the ground between the rows as soon as they can be seen in the row. Hoe again in a few days, this time close up to the plants, after which weeding must be begun. This operation requires to be carefully and thoroughly done. The weeder must work on his knees astride the row, stirring the earth around the plants, in order to destroy any weeds that have just started. At this weeding or the next, according to the size of the plants, the rows should be thinned, leaving from eight to twelve plants to the foot. In ten days or two weeks they will require another hoeing and weeding similar to the last and two weeks later give them still another hoeing, and if necessary another weeding. If the work has been thoroughly done at the proper time, the crop will not require further care until ready to gather.

Gathering—As soon as the tops die and fall, the bulb should be gathered into windrows. If the weather is fine they will need no attention while curing, but if it is not they will need to be stirred by simply moving them slightly along the row. Cut off the tops when perfectly dry, about half an inch from the bulb and then after a few days of bright weather the onions will be fit to store for winter.

RED WEATHERSFIELD

This is a standard variety planted all over America. It is of large size, very productive, and an excellent keeper. The color is deep purplish-red, and the flesh is white, moderately grained, and very firm. It is a mild onion, and has retained its popularity through a large number of years. You can pull green onions in 63 days, and matures in 150 days.

Prices: Pkt. 5c; oz. 25c; ¼ lb. 60c; lb. \$2.00, postpaid

SWEET SPANISH

We recommend this new variety of onion very highly, and believe that it will be more than pleasing to those who plant it. It is a globe-shaped onion of bright yellow color, and mild in flavor, and grows a little larger than the Prizetaker. It is a good yielder and a splendid keeper. This is a fine variety for home or market use. Green onions can be pulled 65 days after planting the seed, and it matures in 145 days.

Prices: Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50, postpaid

SOUTHPORT WHITE GLOBE

This is a most desirable medium early, or main crop variety. This variety yields abundantly, producing medium to large, handsome and fine-shaped clear white bulbs. The flesh is firm, fine-grained, quite mild in flavor, and is very attractive. The bulbs are globe-shaped, keep well, and are desirable for shipping. This is a good variety for home garden or market. You can pull green onions 65 days after planting the seed, and it matures in 140 days.

Prices: Pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50, postpaid

WHITE PORTUGAL, OR SILVERSKIN

The best known and most largely used white onion. Is flat on the bottom and thick toward the top; very hard and firm. An excellent keeper. Is largely used for white onion sets as well as for bulbs for the best market trade and also for pickles.

Per pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.50

GRANDPA'S CONGLOMERATION ONION SEED MIXTURE

Turn back in thought to the days of your youth, when Grandpa and Grandma planted the vegetable garden. There was always a large corner in which a mixture of different kinds of onion seeds was planted on the theory that if one sort did not do well the other sort would, and in that way it happened always that there never was a shortage of onions. If the good housewife wished a mild white for salads, it was always found therein; if she wished a more pungent one, that was taken. If she wished a brown or yellow or red, or no matter what color, there they were, and with this in view we have arranged "Grandpa's Conglomeration Onion Mixture"; It contains all colors, shapes and sizes. A package of seed is sufficient to grow one or two bushels, an ounce from three to five bushels, and a pound is safe for 60 to 100 bushels or more.

Price: Big pkt. 10c; oz. 15c



BOTTOM ONION SETS

Small onions grown from seed that has been sown too thickly to attain a large size. The small onions (about $\frac{1}{2}$ inch in diameter) thus obtained are planted out and are ready in a short time to pull as green onions for the table or bunched for the market. If left to stand they make ripe onions of the best quality, and come to maturity some six weeks earlier than a crop grown directly from the seed.

Per lb. 20c; 5 lbs. 75c, postpaid

POTATO ONION

Valuable for bunching or an early crop. The smallest sets make fine bulbs of good size, while the larger ones produce a cluster of small to medium size bulbs. Light brown skin, mild white flesh. It is the earliest, most vigorous in growth and easiest to cultivate of all onions from sets. For the family garden, whether pulled green or as dry bulbs, they are most excellent. Per lb. 25c, postpaid

EGYPTIAN or PERENNIAL TREE ONION

When once set out, without having the slightest Winter protection, these come up year after year. The bottoms divide, making several irregular shaped onions that are sweet and tender. The young sets grow on top of the stalks, and can be planted in the Fall. We cannot supply these sets after March 1st.

Per lb. 25c, postpaid

SHALLOTS

Valuable for bunching or for an early crop. The smallest sets make fine bulbs of good size, while the larger ones produce a cluster of small to medium size bulbs. Light brown skin, mild, white flesh. Per lb. 25c, postpaid

For large quantities, write for prices, stating quantity wanted.

ONION PLANTS

Bermuda Onion Plants

Of late years onion plants have been extensively used in some districts for producing large early matured onions, as it is claimed a matured onion can be secured from the plants much sooner than from seed or sets. The plants are good keepers so that there is little or no danger of them not growing. Besides, they are one of the easiest plants to grow. Prepare land as you



would for any other vegetables. It is recommended to plant the rows sixteen inches apart and the plants three to four inches apart in the rows. If planted in this manner it will take about 100,000 to the acre. An old-fashioned dibble can be used successfully in planting. Do not plant too deep. Plants are put up in bundles of about 100 and sixty bundles to a crate. Count not guaranteed.

Prices, Postpaid

1 bundle, about 100 plants.	\$0.30
2 bundles. . . . .	.50
3 bundles. . . . .	.65
5 bundles.	1.00
10 bundles.	1.75
Crate 60 bundles.	8.50

Crate weighs about 30 lbs. Add postage to crate price. Not less than one bundle sold.

ORDER EARLY

Will send plants when they are ready to plant.

PARSLEY



Parsley succeeds the best on rich, mellow soil. The seed is even slower than parsnip in germinating and should be sown as early as possible in the Spring, in drills one to two feet apart and when the plants are well up thin to one foot in the row. When the plants are about three inches high cut off the leaves; the plant will then start a new growth of leaves which will be brighter and better curled and later, if these turn dull or brown they can be cut in the same way; every cutting will result in improvement.

Plain, or Single—Plain leaves, excellent flavor.

Per pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 75c, postpaid
Extra Curled Dwarf, or Emerald—The moss-like leaves, of a handsome bright green color, are finely curled.

Pkt. 5c, oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 75c, postpaid
Turnip-Rooted, or Hamburg—The edible portion is the fleshy root, which resembles a small parsnip, and is esteemed for flavoring soups, stews, etc.

Per pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 75c, postpaid

PEAS

Sow as early as possible a few of some early variety in warm, quick soil, prepared the fall before, planting in double rows six to eight inches apart and two and one-half to four feet between the double rows. The general crop can be delayed until later, but we have met with better success from sowing all the varieties comparatively early, depending for succession upon selecting sorts that follow each other in maturity.

The peas will give quicker returns if covered only one inch deep and where earliness is most important they may be treated in that way. Larger pods and more of them will be produced if the seed be planted in trenches three to six inches deep and covered with only one or two inches of soil. When the plants are five or six inches high fill the trench level with the surface. This will secure deep rooting, prevent mildew and prolong the bearing season. If the peas be covered to the full depth at first, or if water be allowed to stand in the trenches they will not germinate or grow well.

The wrinkled varieties are more sensitive to cold wet weather than the smooth seeded sorts but are of superior quality. All varieties growing more than one and one-half feet do better if staked up or brushed when four to six inches high. This support is usually given by sharpened branches of trees set between the double rows. The crop should be gathered as fast as it is fit for use. If even a few pods begin to ripen, not only will new pods cease to form, but those partly advanced will stop growing.

THE BIG FOUR

BLUE BANTAM

Bears abundantly long, handsome pods fully as large and equally as early as Gradus, while the vines require no staking. Is unequalled for combination of extreme earliness, superb quality, and unusual productiveness. The dwarf vigorous vines average fifteen inches in height and carry really enormous crops of large, deep bluish-green pods. The handsome pointed pods, generally borne singly, measure four to four and one-half inches long and are tightly packed with eight to ten extra large, deep bluish-green peas. These peas are not only large in size, but of most luscious flavor. The pods are ready to pick as early as American Wonder, while double the size; in fact, they average fully as large as Gradus! If sown thinly, say four inches between the seeds in the row, they will astound even experienced gardeners.

Per pkt. 10c; lb. 30c; 5 lbs. \$1.00, postpaid

GRADUS

This extra early, wrinkled pea bears pods of large size, and combines quality with earliness. It is very hardy; can be planted fully as early as the smooth peas; growth, vigorous and healthy; vines 2½ feet in height; very prolific. The quality and flavor are delicious, and the peas remain tender and sweet for a long time. These peas are planted by market gardeners around the vicinity of Portland more than any other kind.

Per pkt. 10c; lb. 30c; 5 lbs. \$1.00, postpaid

LITTLE MARVEL

We are sure that as soon as our customers become acquainted with Little Marvel they will drop both Little Gem and Nott's Excelsior, popular as these two varieties are today. The vines, of dwarf even growth, average fifteen inches in height and are heavily set with fine pods, frequently borne in pairs. The pods average two and one-half inches in length, are square at the bottom and well filled with six to seven quite large, deep green peas. The peas are ready for the table fully as early as American Wonder or Nott's Excelsior, while the pods are larger and the vines produce a much heavier crop. All who desire a fine early crop of the choicest wrinkled peas will be delighted with Little Marvel.

Per pkt. 10c; lb. 30c; 5 lbs. \$1.00, postpaid

TELEPHONE

A tall-growing, late sort, three and a half to four feet in height, having pods of a very large size, containing six to seven large peas of delicious flavor. Continues in bearing for quite a long time.

Per pkt. 10c; lb. 30c; 5 lbs. \$1.00, postpaid

BLUE BANTAM

One pound each of the above peas, \$1.00, postpaid

Make Your Garden Work

Get crops in the Spring, Summer and Fall by sowing as early as possible in the Spring and continuing with successive crops throughout the Summer. Grow all the vegetables your garden can produce. No vegetables are so delicious as those you yourself grow, and this is particularly true of Peas.

1001 Garden Questions Answered

By Prof. Alfred C. Hottes

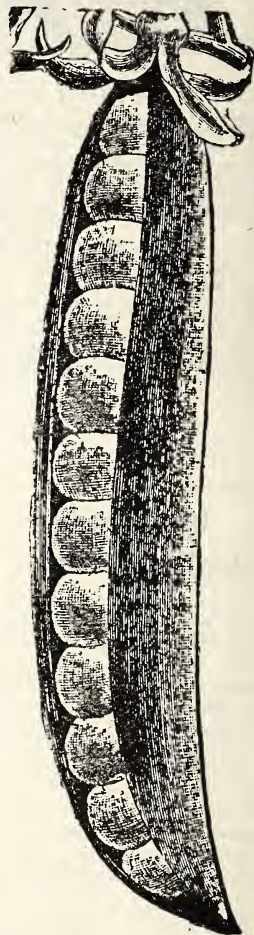
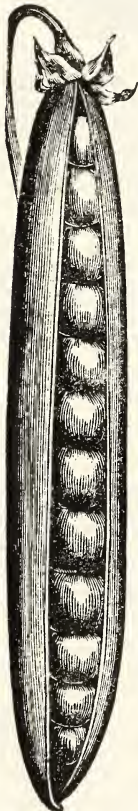
A unique guide book of garden operations for each day, answering thoroughly and in an easily understood manner over 1,000 questions on the growing and care of flowers, fruits, vegetables, trees, shrubs, lawns, etc.; in fact, every phase of home gardening. 320 pages, well illustrated and carefully indexed.

Paper, \$1.50; cloth, \$2.00

Send for booklet on books as space will not permit listing more.

GARDEN BOOKS

The Book of Shrubs, by Hottes	\$3.15
Wayside Marketing, by Arnold	1.65
Practicable Vegetable Culture, by Wilkinson	2.15
Foundation Planting, by Johnson	3.65
The Book of Perennials, by Hottes	1.65
The Complete Home Landscape, by Jennings	2.65



GRADUS

PEAS—Continued

Alaska—Also called "Earliest of All"! The vines grow from 20 to 30 inches in height, bearing well-filled, medium-sized pods. Matures practically the entire crop all at one time. Most popular first-early pea for canning.

Per pkt. 10c; ½ lb. 15c; lb. 30c; 5 lbs. \$1.00

Alderman—Large podded, fine flavor. A splendid new large podded main crop pea, growing about five feet high. The pods are larger than the Telephone, are dark green, and are well filled with large wrinkled peas of fine flavor.

Pkt. 10c; lb. 30c, postpaid

American Wonder—Of extremely dwarf growth; only eight to ten inches high and nearly as early as Alaska. The pods are filled with luscious, large, wrinkled peas of first-class quality.

Per pkt. 10c; lb. 30c, postpaid

Bliss' Everbearing—The vines are stout, of medium height, about two and one-half to three feet, bearing at the top six to ten good sized pods, about two and one-half to three inches long. If these are picked as they mature and the season and soil are favorable, the plant will throw out branches bearing pods which will mature in succession, thus prolonging the season. The peas are large and wrinkled, tender, of superior flavor and preferred by many to any other sort.

Pkt. 10c; lb. 35c; 2 lbs. 60c; 5 lbs. \$1.25, postpaid

Champion of England—A standard, very productive, main crop variety, universally admitted to be one of the richest and best flavored of the late peas. The vines are tall, about four to five feet high. The peas are large, about three inches long. The seed is light green and wrinkled. We consider this variety one of the best of its season, either for the home garden or for market gardening use.

Pkt. 10c; lb. 35c; 2 lbs. 60c; 5 lbs. \$1.25, postpaid

"Dwarf Telephone"—The vines, though growing only about eighteen inches in height, are very stout, and generally bear a good crop of large, well-filled pods. The pods average five inches in length, containing seven to nine large peas of a light green color, which are tender and sweet.

Per pkt. 10c; lb. 30c; 5 lbs. \$1.25, postpaid

Improved Stratagem—Vines of strong growth, with large foliage, but only eighteen inches in height, and do not need any support. Pods of large size, well filled with large dark green peas of rich, sweet flavor. One of the very finest.

Per pkt. 10c; lb. 30c; 5 lbs. \$1.25, postpaid

LAXTONIAN

A new, early, dwarf, robust, large podded pea of superior excellence, often referred to as "Dwarf Gradus," and is said to surpass "Gradus" in yield and quality, with the added advantage of dwarf growth, averaging 16 inches. The large pods are well filled, holding 8 to 10 peas. "Laxtonian" is so highly recommended that you should give it a trial.

Per pkt. 10c; lb. 30, postpaid

NOTT'S EXCELSIOR

The peas are closely packed in the pod. A very fine variety of compact dwarf growth, with pods one-third larger than those of the American Wonder, and maturing almost equally as early. The pods average three inches in length, and are well filled to the squared ends with large peas of unusually sweet flavor.

Per pkt. 10c; lb. 30c, postpaid

THOMAS LAXTON

Extra Early and Fine Quality

Thomas Laxton Peas are very similar to Gradus in every way except the shape of the pods, the ends of which are square, and the pods and vines are a darker green. It is nearly or quite as early as Gradus, and the large wrinkled, dark green peas are sweet, tender, delicious, and unexcelled in quality by any of the late varieties. The vines grow about three feet high.

Pkt. 10c; lb. 30c; 5 lbs. \$1.25, postpaid

WORLD'S RECORD

An Excellent Early Wrinkled Variety

World's Record is an English variety which has proved to be perfectly adapted to the Northwest. Our seed has been grown in this locality for several seasons, and is thoroughly acclimated. The vines are semi-dwarf, growing about three feet high, and the yield, size and quality of the peas is wonderful considering its extreme earliness. The pods are large, dark green, of the Gradus type, and are filled with eight or ten large wrinkled peas, sweet and of fine flavor.

Pkt. 10c; lb. 30c; 5 lbs. \$1.25, postpaid

SWISS

A flat or 3-cornered variety of excellent quality for soup. Insects do not trouble this variety.

Pkt. 10c; lb. 25c, postpaid

SUGAR PEAS

MAMMOTH MELTING SUGAR

This is one of the best-known of all edible-podded peas. The vines grow luxuriantly and reach a height of 6 to 7 feet. The pods are borne in great profusion all over the vine and they should be gathered when the seeds are just beginning to form. They are broken in pieces the same as string beans and make a delicious and palatable dish.

Per pkt. 10c; ½ lb. 20c; lb. 35c, postpaid

GIANT LUSCIOUS EDIBLE POD

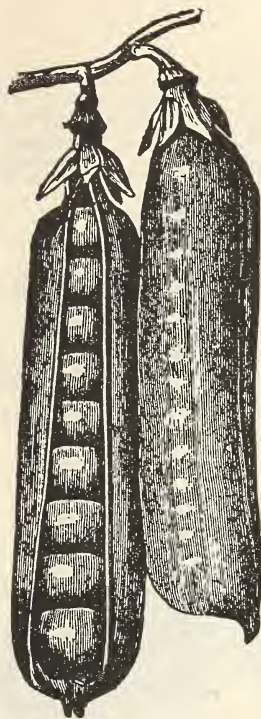
The pods, which are five to six inches long, are very fleshy, curved or scimitar shaped and of light green color. When young the pods are very tender and free from strings and when cooked are of superior quality and delicious flavor. The vines average about four feet high and are vigorous and productive.

Pkt. 10c; lb. 35c, postpaid

DWARF GRAY SUGAR

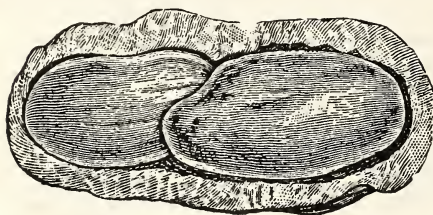
Grows 18 inches high and produces a heavy crop of small flat pods, 3 inches long. The pods are gathered, broken and cooked like string beans when the peas begin to develop in the pod.

Per pkt. 10c; ½ lb. 20c; lb. 30c, postpaid



PEANUT CULTURE

As the Peanut is a tender, warmth-loving plant the seed should not be planted until the soil has become warm and the Maple trees are out in full leaf. They succeed best in light, easily worked soil but can be grown in heavy, well-drained ground if kept well cultivated. When planting remove the shells, planting the kernels one in a place fifteen to twenty inches apart in the row. The cultivation is the same as for Bush Beans and the soil should be frequently hoed or cultivated to promote strong, rapid growth until the plants commence to flower. The flowers appear at the base of the stalk and when they appear loose earth should be hilled up around the stalks so that the nuts may bury themselves in the soil. When the foliage is touched by frost, lift or pull up the plants with the nuts attached and hang up to dry in a cool, airy room or shed.



MAMMOTH

PEANUTS

Mammoth Bush (See illustration)—The plants produce a large quantity of nuts, adapted for culture in our northern climate, especially in light or sandy soils.

Pkt. (10 pods) 10c; $\frac{1}{2}$ lb. 30c; lb. 55c; 2 lbs. \$1.00

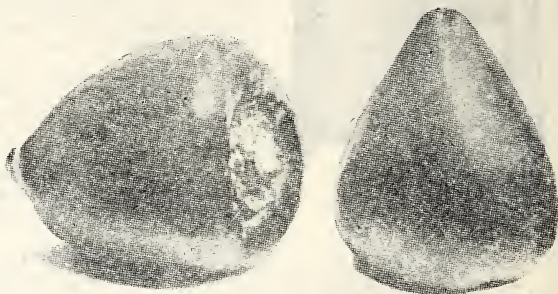
Spanish—This is an excellent forage plant for light land in hot, dry seasons. The tops are cut and cured for hay just before frost. The plants also set a large crop of the small nuts, which make an excellent fattening food for hogs.

Oz. pkt. 10c; $\frac{1}{2}$ lb. 20c; lb. 30c; 2 lbs. 55c; 5 lbs. \$1.25

PEPPER

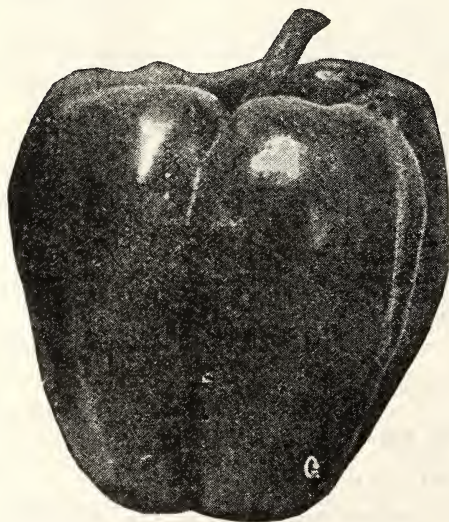
Peppers are used very extensively as a condiment. In Mexico the hot varieties are eaten raw as we would eat radishes, but the greatest use is for seasoning other dishes. The large, thick-fleshed, sweet varieties are eaten more extensively farther north and are served in various ways, green or ripe, with vinegar and salt, like tomato salad, or made into mangoes, by cutting one side, removing seeds and filling with chow chow pickles.

The culture of peppers is the same as for egg plant and the plants need quite as much heat to perfect them. Guano, hen dung, or any other bird manure hoed into the surface soil when the plants are about six inches high, will wonderfully increase the product and also improve the quality of the fruit.



Pimento—The sweetest Pepper grown. Very productive; produces medium-sized, brilliant red Peppers, maturing in about 135 days.

Per pkt. 10c; oz. 60c, postpaid



Chinese Giant—This standard variety is larger than "Ruby King." It is very prolific for so large a pepper. The productiveness may be increased by pinching off the first or "King blossoms." The fruit grows 4 to 5 inches broad on top and of equal length, and quite uniform in size; the flesh is unusually thick, mild flavor and makes a very fine salad sliced and served like tomatoes. The color is green turning to glossy scarlet when ripe.

Per pkt. 10c; $\frac{1}{2}$ oz. 40c; oz. 75c; $\frac{1}{4}$ lb. \$2.00



California Wonder—This new variety resembles Chinese Giant in shape, but has much thicker flesh. The fruit will average 4 inches in diameter at the top, tapering slightly. It matures its fruit somewhat earlier than Chinese Giant and is very prolific. Color glossy dark green, turning to crimson.

Per pkt. 10c; $\frac{1}{2}$ oz. 40c; oz. 75c; $\frac{1}{4}$ lb. \$2.00.

Neapolitan—Very early and productive; large and sweet; fruit of upright growth, 4 to 4 $\frac{1}{2}$ inches long by 2 inches in diameter.

Per pkt. 10c; oz. 30c; $\frac{1}{4}$ lb. 85c.

OTHER PEPPER SORTS

Bull Nose—Large blocky fruit.

Cayenne—Long red; very hot.

Tabasco—Hottest of all.

Per pkt. 10c; $\frac{1}{2}$ oz. 35c; oz. 60c; $\frac{1}{4}$ lb. \$1.75

Red Chili—Good hot pickling.

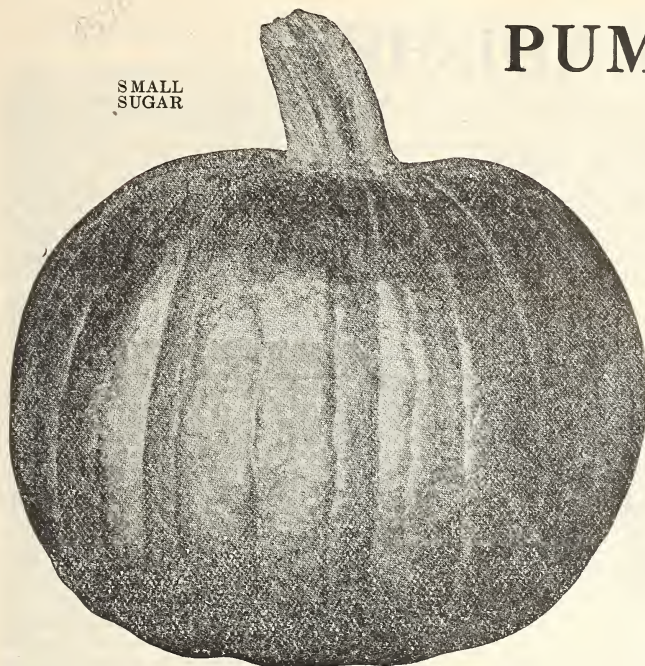
Per pkt. 10c; $\frac{1}{2}$ oz. 30c; oz. 50c; $\frac{1}{4}$ lb. \$1.60

MIXED PEPPERS

Mixed Peppers—A great many varieties mixed. Space will not permit to name them all.

Pkt. 10c; oz. 40c; $\frac{1}{4}$ lb., \$1.00, postpaid

PEPPER PLANTS—See page 38

SMALL
SUGAR

PUMPKINS

Pumpkins are not so particular in regard to soils as melons or cucumbers, but in other respects are cultivated the same, though on a larger scale. They are generally raised between hills of corn, but may be planted with success in fields by themselves. The pumpkin more properly belongs to the farm than the garden, especially as it really mixes with and injures the quality of the finer squash.

WINTER LUXURY

The best flavored pie pumpkin grown; enormously productive; excellent keeper; medium size; color, golden-russet, finely netted; flesh, deep golden, sweet, tender and very thick; none better. Per pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

LARGE CHEESE

Large, round, flattened fruits, with creamy-buff skin; averages two feet in diameter. An excellent keeper; it has thick flesh of extra fine quality. Per pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid.

JAPANESE

Similar in size and form to the well-known Cushaw, but the skin is a deep green, with dark stripes, turning to a rich golden-yellow. Fruits mature early, the large neck is solidly meaty, and seeds are marked with curious indentations, resembling the characters of the Chinese alphabet. Flesh deep yellow, of fine quality. Per pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00, postpaid.

GOLDEN OBLONG

Very hardy and productive, pumpkins fifteen to twenty inches in length and eight to ten inches in diameter. Skin of a rich golden orange, thin but tough, making it almost as good a keeper for Winter as the hard-shelled squashes. Flesh is a light golden-yellow, of very rich, fine quality.

Per pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00, postpaid

KENTUCKY FIELD

Fruit flattened, the diameter being two or three times more than the length. Skin mottled light green and yellow, changing to rich cream color as it matures; flesh tender and of excellent quality.

Per pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid

WHITE CUSHAW

A popular crooked-neck variety with a hard creamy-white shell. Fruits two feet in length, with long, solidly-meaty neck; seeds are all located in the lower bulb-like end. Thick flesh of fine quality.

Per pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00, postpaid

SMALL SUGAR, or NEW ENGLAND PIE

This variety is small but of most excellent quality for pies. The fruits are deep orange, 8 to 10 inches in diameter, round or somewhat flattened and slightly ribbed. The flesh is rich deep yellow, fine grained and very sweet.

Per pkt. 5c; oz. 15c; ¼ lb. 20c; lb. \$1.00, postpaid

CONNECTICUT FIELD, or "BIG TOM"

Vines of strong, vigorous growth and wonderfully prolific. Fruits will average fifteen to twenty inches in diameter; round or slightly oval in form. Smooth, hard, reddish-orange skin, slightly ribbed, with rich orange-yellow flesh. Frequently grown among corn to make a crop of pumpkins for feeding to dairy stock.

Per pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid

"KING OF THE MAMMOTHS"

This is the very best genuine strain of the true Mammoth Pumpkin. Fruits grow to enormous size, sometimes reaching two feet or more in diameter, and from one hundred to two hundred pounds in weight. Salmon-orange skin, very thick, bright-yellow flesh, which is fine-grained, tender and of excellent quality for pies. To raise the largest fruits, vines should be allowed ample space in which to grow—only one plant should be allowed to grow in a hill, and only the best fruit left on the vine.

Per pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.00, postpaid

PUMPKIN SEED MIXED—All varieties mixed; very popular. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 60c, postpaid

SEED POTATOES

Write for special prices for larger quantities than listed

DATE OF SHIPMENT

Potatoes will not be shipped until in our judgment there will be no danger from freezing. Price, 5 lbs. 60c; 10 lbs. \$1.00, postpaid. These prices are for 1st, 2nd and 3rd zone only.

"EARLIEST OF ALL"

Is a shallow-eyed white skinned variety of vigorous growth. The tubers are smoother and have fewer eyes than most other varieties. While it is a very early potato it is also a good keeper.

AMERICAN WONDER

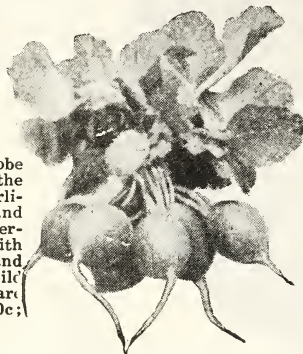
Vigorous vine, profuse bloomer, heavy setter. Used by truck gardeners for early crops. The elongated shape meets the Pacific Coast market demands.

RADISHES

For forcing, sow in hotbeds or under glass in rich, sandy soil, made perfectly level. Scatter evenly over the surface from sixty to one hundred and fifty seeds to the square foot and cover with one-half inch of soil sifted on, and attend carefully to the watering and airing. If the bed is a good one, the whole crop can be marketed in twenty-one to forty days after planting. For open ground culture, sow on rich, sandy soil as soon as it is fit to work in the spring, in drills twelve inches apart and thin out the plants, if necessary, to prevent crowding. A good dressing of nitrate of soda will greatly stimulate growth and insure tender, brittle roots. Successional sowings from one week to ten days apart will keep up a supply. After the hot weather of summer begins, it is better to sow the summer and winter varieties, as they do not become tough and stringy nor pithy so quickly as the early sorts. Radishes are subject to root maggots, which make them useless for culinary purposes. We know of no certain remedy for this pest. We have found that the best preventive measures are to avoid the use of rank manure, and not to sow on ground where radishes, turnips or cabbages were grown the year previous. We have been very careful to secure the very best seed possible, and there is none sold under other names which is better than that of the varieties we offer.

SAXA, THE EARLIEST RADISH ON EARTH

Saxa is a scarlet globe radish developed to the highest point as to earliness, uniform shape and high eating quality. Perfectly globe shaped with bright deep red skin and white solid flesh very mild in flavor. The tops are short. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.



Crimson Giant—A fine, bright-red radish, growing quickly to a large size. It is especially fine for bunching for early market from plantings in the open ground, being ready to market in from twenty-five to thirty days from time the seed is planted.

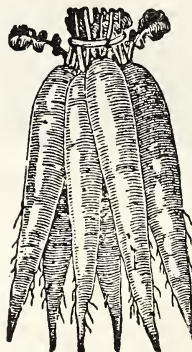
This radish is a deep globe in form; two inches in depth; one and one-half inches in diameter, with thin, tender skin of a deep crimson. The flesh is purest white, crisp, and of mild flavor. The roots are entirely free from the hollow center or pithy fibre of overgrown, small, extra early sorts, even when twice as large!

Per pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00, postpaid

Sparkler (Scarlet Turnip White Tip) The Best for the West—Most attractive small round roots with bright scarlet top, a clear white base, and small, slender taproot. The juicy flesh is pure white in color and of agreeably snappy flavor. Scarlet Turnip White Tip is most popular and choice market. Our strain of this variety is extra fine.

White "Iceberg"—The finest and longest of the very early pure white varieties. Planted in spring and the radishes are ready for use in twenty to twenty-five days. Their long, slender form and pure paper-white skin are most attractive when bunched for market. This radish is not only crisp and tender when young, but retains these qualities until the roots attain large size, so that it will remain in fine condition longer than any other first-early variety. It is excellently adapted for forcing purposes or successive sowing in the open ground, and gives a continuous supply of tender, crisp radishes throughout the season.

Per pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00, postpaid



Early Long Scarlet Short Top—The finest strain of this most popular radish. The long, slender, handsomely-colored roots are most attractive in appearance. They are ready in about twenty-five days; crisp, brittle and of choicest quality. They reach a length of five to six inches, growing half out of the ground. Per pkt. 5c; oz. 10c; ¼ lb. 30c; per lb. \$1.00, postpaid.

Long Black Spanish—Black skin, white flesh. Per pkt. 5c; oz. 15c; ¼ lb. 45c; per lb. \$1.50, postpaid.

Round Black Spanish—The favorite winter Rettig of the United States. Per pkt. 5c; oz. 10c; ¼ lb. 25c; lb. \$1.00

White Strasburg—A fine solid summer radish of large size. Per oz. 10c, postpaid

California Mammoth White Winter—Long; of large size. Per pkt. 5c; oz. 10c; ¼ lb. 40c; lb. \$1.50, postpaid

Round Scarlet China—Extra fine round roots for winter.

Per pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50, postpaid
Chinese Rose, or Scarlet China—Excellent; good keeper.

Per pkt. 5c; oz. 10c; ¼ lb. 30c; lb. 90c, postpaid
New White Chinese—Best for autumn; of immense size.

Per pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25, postpaid

MIXED RADISH SEED

All kinds, colors and styles. A great variety; they will become ready for the table early, medium and late. You always have some that are just right, sweet and juicy. This mixture is for a small garden, where space is limited, and one sowing does for the whole season.

Pkt. 5c; oz. 10c; ¼ lb. 20c; lb. 50c, postpaid



FRENCH BREAKFAST

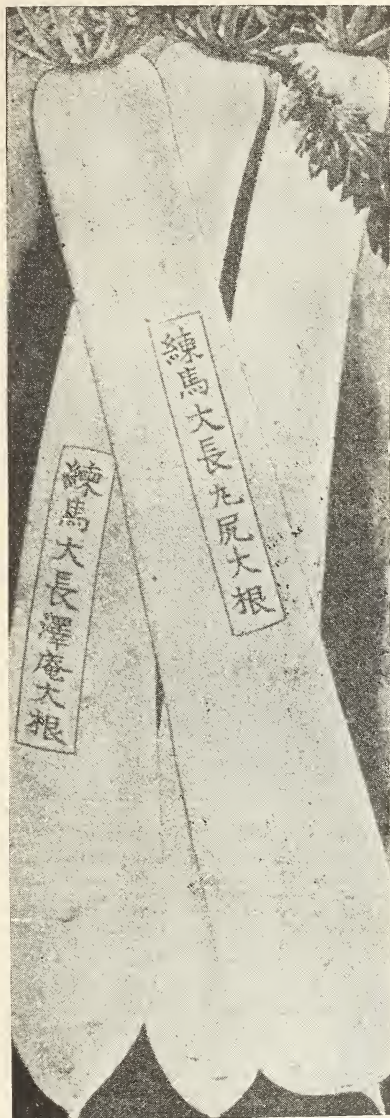
French Breakfast—Is a beautiful radish of true oblong or olive shape. The color of the skin is bright carmine, shading to clear white in the lower portion. The flesh is white, firm and crisp; juicy, mildly pungent, and tender. It is well adapted for forcing in the greenhouse and hotbed. One of the leading early varieties for market use or home growing.

Pkt. 5c; oz. 15c; 4 ozs. 45c; ¼ lb. 70c; lb. \$1.25, postpaid

TRY THIS

Plant the little round radishes in the same row at the same time with beets or carrots. The radishes will break the way for the beets and carrots and will be ready for pulling by the time they need the room.

JAPANESE RADISHES



Radish—Nerima-Long

Nerima Long (Mikado)—"Nerima" is the name of the province of production, near Tokyo, Japan. This is a most valuable one, large and long (as long as 3 feet), and the end of it is round in form, snowy white and bright color and very fine test with sweet flavor. Nerima can be used in all styles of cooking and pickle; hardy and good keeper. We have had long experience of production of Nerima successfully and we are earnestly presenting this to all good farmers and garden lovers.

Per pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 60c, postpaid

Our Mail-Order Trade, growing steadily from year to year, is one result of your confidence in us and our confidence in you. No business can be truly successful unless the transactions are mutually profitable. Each season we strive to render better service.

Rhubarb or Pie Plant

Culture—Rhubarb succeeds best in deep, somewhat retentive soil, and the richer this is and the deeper it is stirred the better. Sow in drills an inch deep, and thin out the plants to six inches apart. In the fall transplant into very highly-manured and deeply-stirred soil, setting them four to six feet apart each way, and give a dressing of coarse manure every spring. The stalks should not be plucked until the second year, and the plant never allowed to exhaust itself by running to seed. Per pkt. 5c; oz. 15c; 2 oz. 25c; $\frac{1}{4}$ lb. 40c; lb. \$1.50. Rhubarb roots, by express, not prepaid, 10c each; \$1.00 per doz.; by mail, prepaid, 15c each; \$1.50 per doz.

WRITE FOR SPECIAL QUOTATIONS ON LARGE QUANTITIES

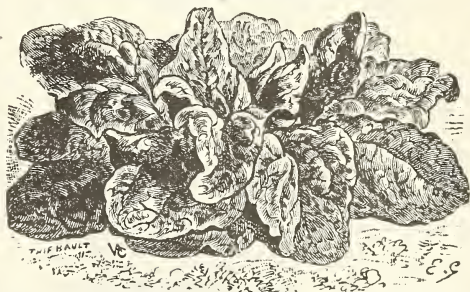
Salsify or Vegetable Oyster

Culture—It succeeds best in a light, well-enriched soil which should be stirred to a good depth. Coarse and fresh manure should be avoided, as it will surely cause the roots to grow uneven and illshaped. Sow early and quite deep, giving the general culture recommended for parsnips. The roots are perfectly hardy, and may remain out all winter, but should be dug early in spring, as they deteriorate rapidly after growth commences. Store a quantity for winter use in a pit or in a cellar packed in damp earth or sand.

SANDWICH ISLAND MAMMOTH

Sandwich Island Mammoth—This grows uniformly to an extra large size, averaging fully double the size and weight of the roots of the old variety. The roots, notwithstanding their extra large size, are of very superior quality and delicate in flavor. Per pkt. 5c; oz. 20c; $\frac{1}{4}$ lb. 50c; lb. \$1.75, postpaid

SPINACH



Should be planted in very rich ground, the richer the better. Sow in drills twelve to eighteen inches apart, and begin thinning out the plants when the leaves are an inch wide. All should be cut before hot weather, or they will be tough and stringy. For early spring use sow early in autumn and protect the plants with a light covering of leaves or straw, or plant as soon as the land can be worked in the spring. Under favorable conditions, the leaves may be large enough for eating in eight weeks.

Victoria—The foliage is heavy, the broad, dark-green leaves being of the true Savoy appearance, and of the finest quality. It remains in prime condition from two to three weeks after nearly all other varieties have run to seed. Per pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; per lb. 60c, postpaid.

Thick-Leaved Round—Produces large, thick dark-green leaves, somewhat crumpled.

Per pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 75c, postpaid
Norfolk Savoy-Leaved (Blossomsdale)—The leaves are numerous, curled and wrinkled.

Per pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 60c, postpaid

Long Standing Prickly—This variety is an improved strain of the long standing type of spinach that matures a little later than the round seeded sorts. The plant is very large at maturity, very vigorous and hardy, and yields a large quantity of medium sized leaves, which are usually rounded at the end, quite thick and uniformly dark green. Seed prickly. It is usually planted in the Fall, but is also well adapted for Spring use. Sometimes called Prickly Winter.

Per pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 60c, postpaid
Long-Standing—Leaves large, thick, fleshy and crumpled. Pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 60c, postpaid

SPINACH—Continued

King of Denmark Spinach "Antvorskov"—This new variety of Spinach will eventually replace all others for spring planting, as it is very slow to go to seed, continuing to grow and hold its fine quality for weeks after all other sorts have gone to seed. It makes a very quick and low growth, producing an abundance of dark green leaves which are of large size and very much crumpled. It is ready for use as soon as other varieties of spinach and the leaves hold up remarkably well after being cut. The quality is excellent and we consider it one of the most valuable additions to the vegetable varieties that has been made in recent years, both for growing in the home garden and for market.

Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 60c; 5 lbs. \$2.25, postpaid

NEW ZEALAND SPINACH (*Tetragonia Expansa*)

While this is not a member of the Spinach family proper, it may well be classed as such, since it furnishes an abundance of delightful "greens" throughout the summer and right up to cold weather. Both the leaves and the stalks of the plant are very fleshy and extremely brittle and of the finest quality when cooked.

Do not sow seed until May 1st or when the soil is fairly warm, as it is susceptible to cold and will not germinate in cold soil. Plant in rows 3 ft. apart and thin the plants to stand 2 feet apart in the rows. Soak the seed before sowing.

Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.15

SQUASH

The Squash is one of the most nutritious and valuable of all garden vegetables. The summer varieties come to the table early in the season, while the winter sorts can be had in perfection from August until the summer varieties are again in condition. Few farmers appreciate the value of winter squash as food for stock. We think an acre of squash, costing no more to cultivate and much less to secure, will give usually as much food available for feeding stock as an acre of corn, and we strongly urge our readers to try a "patch" for this purpose.

Culture—Squash plants are very tender and sensitive to cold, and planting must be delayed until warm weather. The general methods of culture are the same as those given for cucumbers and melons, but squash is planted four to six feet apart each way, and the winter sorts eight or ten. Three plants are sufficient for a hill. In gathering the winter sorts care should be taken not to bruise or break the stem from the squash as the slightest injury will increase the liability to decay.

TABLE SQUASHES

MAMMOTH WHITE BUSH SCALLOP

The fruit is a beautiful, clear waxy-white, instead of the yellowish-white so often seen in the old Early White Bush Scallop, and is superior to that variety in size and beauty. The handsomest of the scalloped squashes. Per pkt. 5c, oz. 10c; 2 oz. 15c; ¼ lb. 25c; lb. 80c, postpaid.

GIANT CROOKNECK

This strain is equally as early as the common small-fruited variety, while the squashes grow to a much larger size, measuring from eighteen inches to two feet in length. Per pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00, postpaid.

BURPEE'S BUSH FORDHOOK SQUASH

In this new true bush type the plants can be grown much more closely together. The fruits are rather shorter and thicker than those of the running type; they are also thicker-fleshed, and have a smaller seed cavity. They are unsurpassed for baking, frying, or making pies, while stored in a dry place they will keep in good condition until the following June.

Per pkt. 10c; oz. 15c; ¼ lb. 40c; lb. \$1.50, postpaid

BURPEE'S FORDHOOK SQUASH

This is the most desirable running variety for either summer or winter use. The vines are of strong, vigorous growth and wonderfully productive. Fruits oblong in form, eight to ten inches in length, slightly rigid, smooth, thin, yellowish skin, flesh very thick and of a light straw-yellow. Either for baking like sweet potatoes or making pies during the winter, the quality is unsurpassed.

Per pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.50, postpaid

BANANA

The squash grows from one to two feet in length. The skin varies from a bright yellow to a dark olive green. Flesh firm and solid, of beautiful orange-yellow and excellent quality. It keeps from one season until another. When quite young it is excellent to cook as a marrow.

Per pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.50, postpaid

"THE DELICIOUS"

The squashes weighing from five to ten pounds, vary both in color and form, but are uniformly delicious in flavor and splendid winter keepers. The dark-orange flesh is very thick and fine grained.

Per pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00, postpaid

DELICATA

A small-fruited variety, suitable for both summer and winter use; oblong, slightly ribbed, with orange-yellow skin, striped with dark-green. Flesh thick and solid. Cooks dry, and is of rich flavor.

Per pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00, postpaid



TABLE QUEEN, "Des Moines"

Called Danish Squash on Portland Market

A comparatively new variety, which has attained great popularity in Iowa and Minnesota the last two years. Market gardeners have found it their best seller. The enthusiasm of customers entitles it to the place among Squashes accorded to "Golden Bantam" in Sweet Corn. In size Table Queen equals a fair sized husked cocoonut and a half, baked, serves one person amply. This avoids the waste often resulting from the use of larger varieties. The shell is unusually thin and it does not require over twenty minutes for baking or boiling. A good way to prepare is to cut in half, place a lump of butter in one half, top with the other and then bake whole. This Squash is ready before the Hubbards and yet stores equally well. The color is dark green changing to bright golden after picking and storing. The meat is dry and mealy. It yields enormously, a few hills furnishing an ample supply for a good sized family. Introduced by Vaughn Seed Store.

Pkt. 5c; oz. 20c; ¼ lb. 50c; lb. \$1.50

BOSTON MARROW

A large fruited, hard-shelled sort, for winter use, having bright orange skin and deep orange flesh. Vines of strong running growth, very productive; fruits thickish-oval.

Per pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00, postpaid

VEGETABLE MARROW

This is a most important vegetable in the English market, but little known in this country. The fruit is generally eaten when less than half grown, as the flesh is then very tender and marrowy.

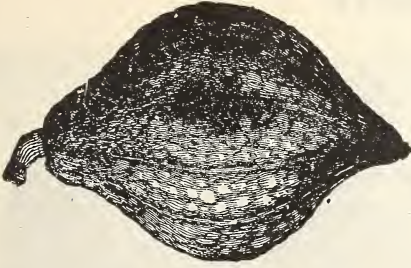
Per pkt. 10c; oz. 20c; ¼ lb. 50c; lb. \$1.75, postpaid

MIXED SQUASH SEED

All sorts, shapes and colors. Very popular.

Per pkt. 5c; oz. 15c; ¼ lb. 25c; lb. 75c, postpaid

SQUASHES—Continued



Four Types of the Most Popular Winter Squash

TRUE HUBBARD

This is the well-known winter squash, now grown so largely throughout the country. Vines of strong running growth; fruits large, olive-shaped, with dark-green skin and very rich flesh. An excellent keeper and of splendid quality. Our strain is extra fine (see the illustration, from photograph, above).

Per pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25, postpaid

WARTED HUBBARD

This is similar in size and quality to the well-known Hubbard, while the large, dark, olive-green fruits are supposed to be slightly more heavily-warted. Very handsome in appearance; an excellent keeper and of splendid quality.

Per pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25, postpaid

RED, or GOLDEN HUBBARD

The heavily warted skin is of rich orange-yellow, turning to deep salmon-red when ripened. It is equally as productive and fine in quality as the original Hubbard Squash.

Per pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 40c; lb. \$1.25, postpaid

"KITCHENETTE" (Hubbard)

A small edition of the Hubbard Squash developed by inbreeding and introduced by the Minnesota Experiment Station. It was named "Kitchenette" because it is the smallest Hubbard. The squash average about 5 lbs. They run uniform in size and appearance. They are a glossy dark green, fully equal to any Hubbard for quality and keep as well in storage.

Per pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 85c; lb. \$3.00

COCOZELLE BUSH

This is also known as Italian Vegetable Marrow. The oblong fruits measure 12 to 16 inches in length. The skin is deep green, marbled with yellow and dark green stripes. A very productive variety. Per pkt. 10c; oz. 25c; 4 ozs. 50c; $\frac{1}{2}$ lb. 80c; lb. \$1.35, postpaid.

COCOZELLE VINING

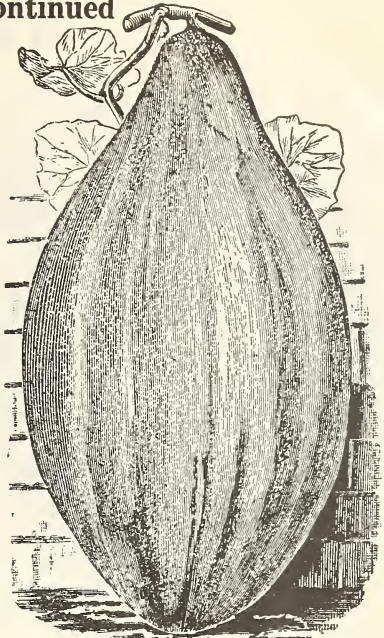
Same price as above.

ZUCCHINI

Similar in all respects to Bush Cocozelle except the fruits are mottled dark and light green, giving them a greenish-gray appearance. Per pkt. 10c; oz. 25c; 4 oz. 25c; $\frac{1}{2}$ lb. 80c; lb. \$1.25, postpaid.

MAMMOTH CHILI

A very large-fruited variety. Under special cultivation the fruits attain a very great weight and are of attractive appearance. The skin is quite smooth, but with broad open netting, and of a rich orange-yellow. Flesh very thick, of a rich yellow coloring, fine-grained and sweet. Per pkt. 5c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. \$1.25, postpaid.

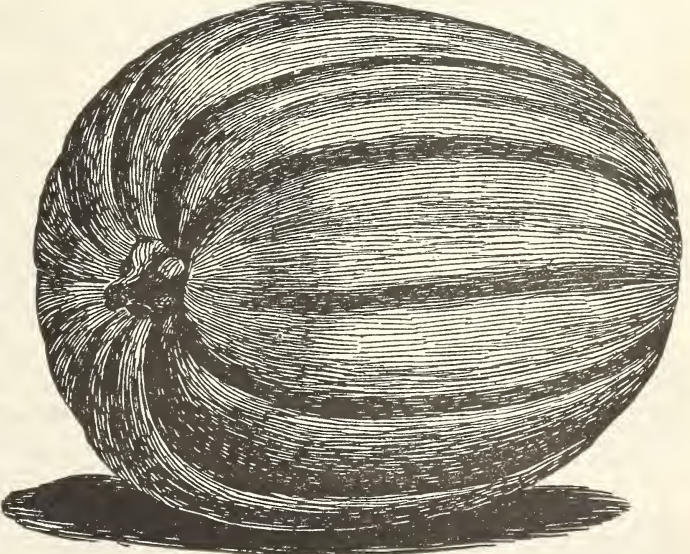


MAMMOTH WHALE SQUASH

MAMMOTH WHALE

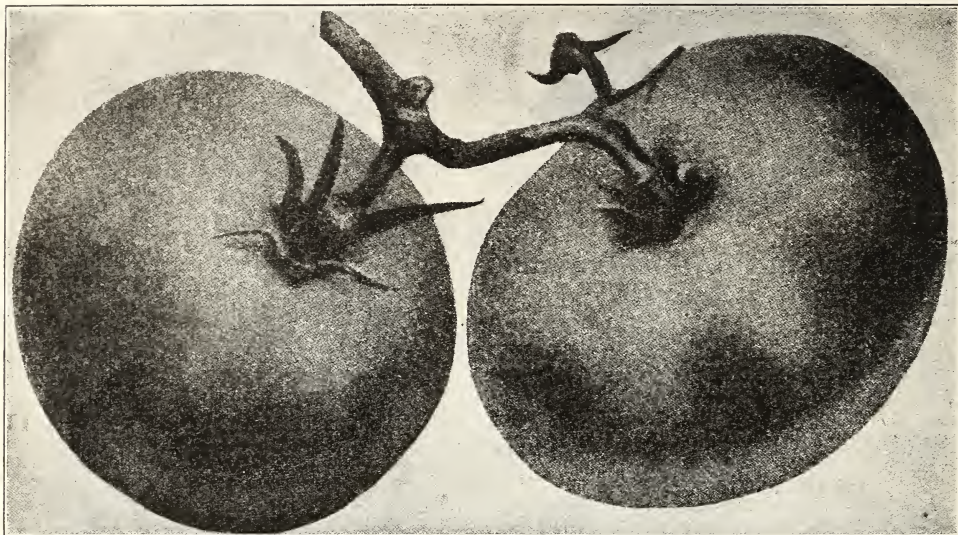
(See illustration)—This is the "Jumbo" of the squash family, and creates great attention wherever grown or placed on exhibition. It is an extra large-fruited sort, quite distinct in form and appearance. The squashes grow from two and a half to three feet in length, with a slight neck at the stem end. The large seed end is swelled to a width of twelve to eighteen inches and slightly flattened, giving a most distinct appearance, which suggests the name—"Mammoth Whale." The skin is of a dark olive-green with slight stripes of a lighter tinge. The fruits frequently attain more than one hundred pounds in weight. Flesh firm and solid, of beautiful orange-yellow and excellent quality.

Per pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 35c; lb. \$1.25, postpaid



MAMMOTH CHILI

Tomato



Culture—Tomatoes do best on light, warm, not over rich soil, and success depends upon securing a rapid, vigorous and unchecked growth during the early part of the season. Sow in hotbeds from six to eight weeks before they can be set out of doors, which is when danger from frost is past; when the plants have four leaves transplant into shallow boxes or cold frames, setting them four or five inches apart; give plenty of air, and endeavor to secure a vigorous but steady and healthy growth, so that at the time of setting in the open ground they will be strong and stocky. Even a slight check while the plants are small will materially diminish their productiveness. Set out of doors as soon as danger from frost is over, but before doing so harden off the plants by gradually exposing them to the night air, and by the withdrawal of water until the wood becomes hard and the leaves thick and of a dark-green color. Transplant carefully and cultivate well as long as the vines will permit.

To insure best results in respect to early ripening, as well as the amount and perfection of fruit, it is advisable to train up and trim the vines, especially if the patch is rather small. When the plants have been properly started and are six to ten inches high, they will begin to throw out branches. Select one of the largest and most vigorous of these and pinch off all others except this one and the main stem. Care must be exercised not to pinch off the fruiting branches, which, as they appear, can be distinguished by the buds that are formed very early. In a short time these two remaining branches will become equally vigorous, and as ordinary varieties will grow four to six feet high during the season, they should be securely tied at intervals of about ten inches to a long stake, preferably two inches square which has been securely set in near the root of the vine. Fruit will set to almost any height desired if all side branches are kept trimmed off.

By such a method of training and trimming the fruits are kept clear from the ground, and with free access to sunlight they ripen much earlier; the vitality, otherwise exhausted in superfluous branches and leaves, is utilized in forming fruits of largest size, greatest perfection of shape and best quality.

CHALK'S EARLY JEWEL

The largest, smoothest and finest-flavored extra early bright red tomato! Within a week to ten days as early as Spark's Earliana, it is even a heavier cropper, with tomatoes of larger size and sweeter flavor—produced continuously throughout the season. Of compact growth, the plants are fairly loaded with fruit. The tomatoes are uniformly of good size—seventy-five will fill five-eighths bushel basket. The large, handsome fruits are very solid and deep through, being almost round, or ball-shaped. Color brightest scarlet, ripening right up to the stem without any cracks or green core. The thick flesh is very solid, with comparatively few seeds, and of fine, sweet flavor; skin thin, but sufficiently strong to make it a good shipper. Per pkt. 5c; ½ oz. 25c; oz. 40c; ¼ lb. \$1.00; per lb. \$4.00, postpaid.

BONNY BEST

An early, scarlet-fruited variety which has proven a success all over the country. It is from ten days to two weeks earlier than Chalk's Early Jewel, which it otherwise resembles. It is smooth, very even in size, very solid, and also very prolific. It is one of the best house-garden, canning and shipping tomatoes in existence.

Per pkt. 5c; oz. 25c; ¼ lb. \$1.00; lb. \$4.00, postpaid

BEEFSTEAK OR PONDEROSA

In addition to its ponderous size it is also very solid, there being but few seeds. In color it is a beautiful crimson throughout. Although so large it is quite early.

Per pkt. 5c; oz. 50c; ¼ lb. \$1.50; lb. \$5.00, postpaid

SPARK'S EARLIANA

The plants are compact in growth with short, close-jointed branches, setting fruits very freely in the center. An entire plant may be covered with an ordinary bushel corn basket—yet so freely are the fruits set that each plant will produce a five-eighths bushel basket of tomatoes during the season of about four weeks, which covers the bearing period of the early plants.

The tomatoes are quite uniform in size and of smooth regular form, averaging three inches in diameter and from two to two and a half inches in depth; they are fleshy, solid and excellent for shipping purposes. Choice seed of this strain is extra selected and far superior to the stock usually sold. Per pkt. 5c; ½ oz. 25c; oz. 40c; 2 oz. 70c; ¼ lb. \$1.00; lb. \$4.00, postpaid.

BEAUTY

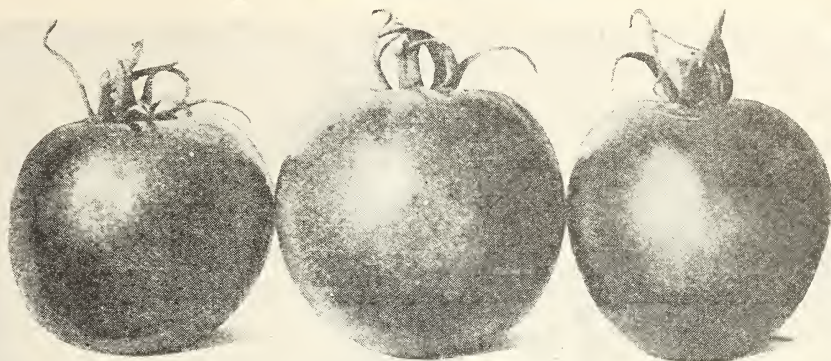
A rather early, tall variety; very prolific, with good-sized smooth fruit of a purplish-carmine color.

Per pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.25, postpaid

DWARF CHAMPION

This is sometimes sold as the "Tree Tomato." It is a second early or main crop, purplish pink variety, especially desirable where garden space is limited. The vines are about two feet high, vigorous, upright and compact. The fruits are medium sized, exceptionally smooth and of very good quality. Our stock is a very superior strain with more even, smoother fruit than the original. Per pkt. 5c; oz. 50c; 2 oz. 85c; ¼ lb. \$1.40, lb. \$5.00, postpaid.

Tomatoes



MARGLOBE WILT-RESISTANT TOMATO

MARGLOBE WILT-RESISTANT

Probably no tomato has created such intense interest since the introduction of our Wood's Famous Brimmer. It was bred primarily to produce a red wilt-resistant tomato of the Globe type and exceeded all expectations. It is not only wilt-resistant, but is resistant to "nail-head rust" as well, is a splendid bearer, the fruits averaging one-half pound, firm, thick and mildly acid. Ripens perfectly, does not crack easily and is of very superior quality. The fruits are of good size, smooth, solid, deep from stem to blossom, and are borne in clusters of 5 to 7 fruits. Marglobe has proved its ability to withstand long periods of wet and unfavorable weather conditions. Per pkt. 10c; oz. 50c; 2 ozs. 90c; $\frac{1}{4}$ lb. \$1.65; lb. \$6.00.

STONE

The best main crop variety for all purposes and largely used for canning. Vine tall and prolific. Fruit smooth, large and uniform. Color bright scarlet.

Per pkt. 5c; oz. 25c; $\frac{1}{4}$ lb. 75c; lb. \$2.25, postpaid

GOLDEN QUEEN

The Finest of the Large Yellow Tomatoes

The superior flavor of the yellow varieties is bringing them into favor as table fruit, and those who think of a yellow Tomato as the rough fruit of the old yellow sorts will be surprised at this smooth, beautiful fruit which though large, is as smooth and well-shaped as the best of the red varieties, and of a fine and distinct flavor.

Per pkt. 5c; oz. 50c, $\frac{1}{4}$ lb. \$1.75, lb. \$5.00, postpaid

IMPROVED TROPHY

Vigorous grower, producing heavy crops of deep red fruit; fine for all purposes. It is rather late. Per pkt. 5c; oz. 25c; 2 ozs. 40c; $\frac{1}{4}$ lb. 75c; lb. \$2.50, postpaid.

JOHN BAER

One of our earliest and most profitable varieties. Fruit globe shaped, bright scarlet in color, good size; solid, coreless and with few seeds. Vigorous and prolific.

Per pkt. 5c; oz. 40c; $\frac{1}{4}$ lb. \$1.00; lb. \$4.00, postpaid

MIXED TOMATO SEED

This is unusually popular. We have sold thousands of packages of this mixture and find that our customers get a great deal of pleasure in growing these as it contains all sorts and colors, large and small. Try a package for 10c.

SMALL FRUITED TOMATOES

The fruit of these are largely used for making fancy pickles, preserves, etc. The plants are extremely productive.

YELLOW PLUM

The fruits average two inches in length and one inch in diameter, of a bright lemon-yellow; are solid, fleshy, and of excellent flavor.

Per pkt. 5c; oz. 50c

YELLOW PEAR

Similar to the Yellow Plum, but the fruits have a slim neck or distinct pear shape.

Per pkt. 10c; oz. 50c

Small Fruited Tomatoes Mixed, 10c per package.

RED PEAR-SHAPED

This is a leading favorite for preserves and also to make "tomato figs." The fruit is bright red, of true pear shape, and of rich distinct flavor. The larger plum-shaped red tomato, often sold under the same name, is not nearly equal to the true variety.

Per pkt. 10c; oz. 50c

STRAWBERRY, or HUSK TOMATO

Plants of low-spreading growth and immensely productive. The small yellow fruits are each enclosed in a husk. Of very sweet flavor, highly esteemed for preserving or making pies. They are also excellent to eat raw as fruit.

Per pkt. 10c; oz. 50c

MARKET GARDENERS

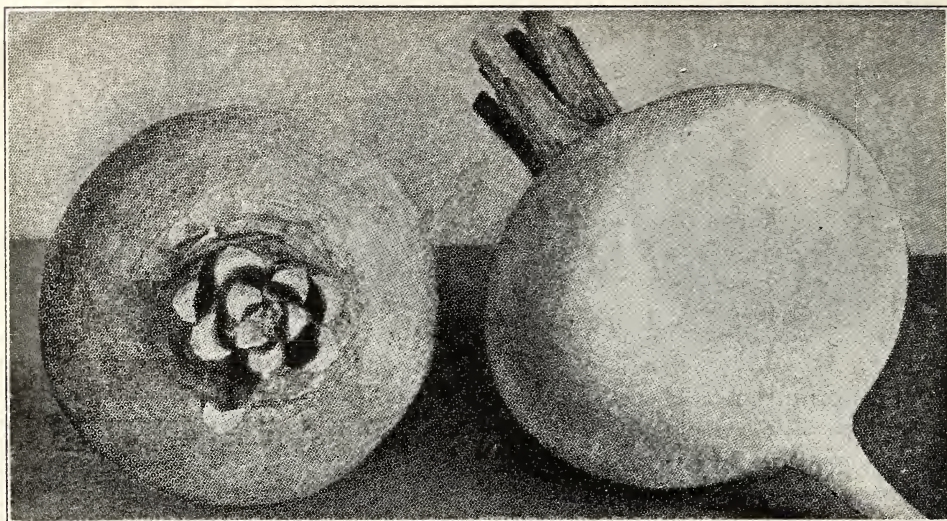
Where do you buy your seeds? Why—mostly through the agent. He is a nice fellow, you say, and you buy even from the agent that knocks the other seedhouses, that tells you to cancel the order, you have placed in good faith, with some other seed agent. Why all this?

Well, well—the agent tells you not to worry as to pay, just take your own time—many of you do—why worry? Let the other fellow do the worrying. But you overlook that your agent charges you very nice prices, for every kind of seed you order. This he has to do. It costs lots of money to sell on terms, the railroads do not carry seed agents for nothing, the hotel keeper has to get his and you pay for all that, you also pay for the chaps that never or seldom pay.

You say, the agent keeps me posted as to what is new in seeds, what varieties are the most profitable. Our catalog does that too and more.

Are not your expenses heavy enough as it is? To cut expenses down, would not that be for your own good? Why not make a profit for yourself right from the start—by saving on your purchase of seeds? Why not send a list of what you need to us for lowest pricing?

TURNIP



PURPLE TOP WHITE GLOBE—The best for the Northwest

Sow in drills about two feet apart and half an inch deep, or sow broadcast, but in either case be sure to have the ground rich and freshly stirred. Thin early and keep free from weeds, so that the young plants will not be checked in growth. Any over-crowding will result in rough and poorly-flavored roots. It is important to get the spring and summer crop started very early, so that the turnips may have time to grow to sufficient size before hot weather causes them to become tough and bitter.

In Middle and Western States sow for fall and main crop middle of July to last of August, and in the manner given for spring sowing. In the field turnips are often sown broadcast, though in most cases better results are obtained by drill culture.

EXTRA EARLY WHITE MILAN

This variety is remarkably early. The tops are very small, strap-leaved, upright and compact, so that rows can be planted close together. The roots are clear white, very smooth, flat and are of best quality when only about two inches in diameter. The flesh is clear white, mild, sweet and tender. Very desirable for early use, especially for forcing. Per pkt. 5c; oz. 15c; 2 ozs. 25c; ¼ lb. 40c; lb. \$1.50, postpaid.

EXTRA EARLY PURPLE TOP MILAN

Similar to Extra Early White Milan, except that the roots are a little flatter and an attractive purple-red on the upper portion. Well adapted for forcing. All in all, the Milan turnips leave nothing more to be desired in the way of an extra early garden turnip. Per pkt. 5c; oz. 15c; 2 ozs. 25c; ¼ lb. 40c; lb. \$1.50, postpaid.

EARLY PURPLE TOP, STRAP LEAVED

A very early strap-leaved variety, very extensively used for the table. The leaves are few, entire, upright in growth. The roots are flat, of medium size, purple or dark red above ground, white below. The flesh is white, fine-grained and tender. Roots when in best condition for table use are about two and one-half inches in diameter but can be grown much larger for stock feeding. This sort is also known as Early Red Top, Strap Leaver. Per pkt. 5c; oz. 10c; 2 ozs. 15c; ¼ lb. 20c; lb. 65c, postpaid.

COW HORN or LONG WHITE

This variety is clear white, except a little shade of green at the top of the root, which is long and carrot-like in form, cylindrical but usually ending in a point, and slightly crooked. The roots are often twelve to fifteen inches long by about two and one-half inches in diameter and grow about three inches out of the ground. The flesh is fine grained and well flavored, and for table use is in best condition when the roots are about two inches in diameter. Desirable for stock feeding and has obtained considerable favor as a market sort. The variety is of very rapid growth and well adapted for fall and early winter use. Per pkt. 5c; oz. 10c; 2 ozs. 15c; ¼ lb. 25c; lb. 80c, postpaid.

EARLY WHITE FLAT DUTCH, STRAP LEAVED

A very early, white turnip, extensively used for the table, especially in the southern states. The leaves are entire, toothed on the margin but not divided or lobed, and are upright in growth. The roots are of medium size, flat, very white fleshed, fine grained and sweet. The roots when in best condition for table use are about two and one-half inches in diameter. This variety is also grown as a field crop. Per pkt. 5c; oz. 10c; 2 ozs. 15c; ¼ lb. 20c; lb. 65c, postpaid.

WHITE EGG

An early, oval or egg-shaped variety with smooth, clear white roots of medium size which grow half out of the ground. The tops are small with leaves distinctly cut. The flesh is clear white, firm, fine grained and sweet. The roots of this quick growing garden sort when in best condition for use are usually about two inches in diameter and about three and one-half inches long. Per pkt. 10c; oz. 15c; 2 ozs. 20c; ¼ lb. 25c; lb. 80c, postpaid.

PURPLE TOP WHITE GLOBE

This excellent table variety is globular in shape, of good size and very attractive appearance. The roots are large, purple or dark red above ground, white below. The flesh is white, fine grained and tender. The roots when in best condition for the table are about three inches in diameter, but can be grown much larger for stock feeding. This sort keeps well for so early a variety and is one of the best for market use. It is also known as Red Top White Globe. Per pkt. 5c; oz. 10c; 2 ozs. 15c; ¼ lb. 20c; lb. 65c, postpaid.

LARGE WHITE NORFOLK

This sort is usually grown for feeding stock, and although a little coarse in texture it is of good quality for the table, but for the latter purpose is in best condition when the roots are about 4 inches in diameter. The roots are white and smooth, grow to the largest size, and are globe-shaped or slightly flattened. The variety is allowed to stand out during the winter in the south where the tops are used for greens. Per pkt. 5c; oz. 10c; 2 ozs. 15c; ¼ lb. 20c; lb. 65c, postpaid.

TURNIP—Continued

LARGE AMBER GLOBE

One of the best yellow fleshed varieties, grown usually for stock feeding. The roots are of large size and of globular shape. The skin is clear yellow except the top which is tinged with green. The flesh is light yellow, fine grained and sweet. The variety keeps well and is a good cropper.

Per pkt. 10c; oz. 15c; 2 ozs. 20c; $\frac{1}{4}$ lb. 25c; lb. 80c

POMERANEAN WHITE GLOBE

One of the most productive kinds and in good, rich soil the roots will frequently grow to twelve pounds in weight. The roots are globe-shaped or slightly flattened; skin very white and smooth. This sort is used for stock feeding and is also good for table use if pulled when the roots are not more than four to five inches in diameter. Where the winters are mild the tops are used for greens. Per pkt. 5c; oz. 10c; 2 ozs. 15c; $\frac{1}{4}$ lb. 20c; lb. 65c, postpaid.

MIXED TURNIP SEED

All sorts and varieties, long, round, oblong, etc.

Per pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; 1 lb. 50c, postpaid

RUTABAGAS or SWEDES

Culture of Ruta Baga—Sow the seed from about the middle of June to the middle of July. Ruta Bagas require ground enriched with well-rotted manure, and should be sown in drills about two and one-half feet apart and the young plants thinned eight to twelve inches apart in the row. Keep free from weeds by frequent cultivation, and when the roots are full grown and before hard freezing weather, pull them, cut off the tops and store in a root cellar or pit. Ruta Bagas are sometimes sown broadcast and left to take their chances with the weeds and bugs. So treated, the crop is seldom a success, though occasionally on new clearings, free from weed seed, fair results are obtained.

BUTZER'S BEST

This is a strain of Purple-Top Yellow Ruta Baga of American origin, selected to a smaller top and a much shorter neck than is usually found, while the roots grow to a large size, and are of the finest quality and excellent for table use and stock feeding. We consider this one of the most desirable kinds on our list. Per pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00.

MONARCH or TANKARD

This is a yellow-fleshed sort, having very large tankard-shaped roots, with relatively small necks, and tops. Color purplish-crimson above ground, yellow below; flesh very solid, fine-grained and of the best flavor.

Per pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00

IMPROVED PURPLE-TOP YELLOW

A fine strain.

Per oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00

LARGE WHITE

Large size, white skin, sweet, white flesh.

Per oz. 10c; $\frac{1}{4}$ lb. 30c; lb. \$1.00

Each variety, 5c pkt. and prices postpaid.

MIXED RUTABAGA SEED, VERY POPULAR—Per pkt. 5c; oz. 10c; $\frac{1}{4}$ lb. 25c; lb. 50c, postpaid.

ORANGE JELLY or GOLDEN BALL

A distinct variety, one of the most delicately flavored of the yellow-fleshed turnips. The tops are small. The roots are medium sized, round, very smooth and with deeper yellow skin than most of this class. The flesh is firm, crisp and of most excellent quality. The roots are in best condition for table use when about three inches in diameter. This variety is of quick growth, adapted to spring as well as fall planting, and keeps exceptionally well. Known also as Robertson's Golden Ball. Per pkt. 5c; oz. 15c; 2 ozs. 20c; $\frac{1}{4}$ lb. 25c; lb. 65c, postpaid.

PURPLE TOP YELLOW ABERDEEN

A medium sized, round, late maturing, long keeping yellow-fleshed turnip. Roots yellow with purple top. Flesh pale yellow and of very firm texture, approaching the Ruta Baga in this regard, but tender and sweet. Since it requires a longer time to mature, the seed should be sown about two weeks earlier than most sorts. It is hardy, productive and valuable for stock feeding. Per pkt. 5c; oz. 10c; 2 ozs. 15c; $\frac{1}{4}$ lb. 25c; lb. 65c, postpaid.



It is not generally known that Turnips may be planted thickly, then may be thinned one plant to every three inches. The long tender leaves, cooked as mustard or collards, are even better than mustard.

**THIS CATALOG
IS OUR SALESMAN**

TOBACCO

CONNECTICUT SEED LEAF

An old, well-known variety.

Per pkt. 5c; oz. 25c; ¼ lb. 75c; lb. \$2.25, postpaid

HAVANA

Grown from seed imported from Vuelta de Abajo.

Per pkt. 10c; oz. 40c, postpaid

IMPROVED WHITE BURLEY

This strain is much superior to the regular White Burley. Per pkt. 10c; oz. 40c; ¼ lb. \$1.10; lb. \$4.00, postpaid.

BONANZA

A White Burley cross on Yellow Orenoko, possessing the qualities of both parents blended.

Per pkt. 10c; oz. 30c; ¼ lb. 85c; lb. \$3.00, postpaid

GENERAL GRANT

It produces leaves forty-four inches in length, and matures as far north as Duluth, Minnesota.

Per pkt. 10c; oz. 40c; ¼ lb. \$1.10; lb. \$4.00, postpaid

STERLING

One of the earliest to ripen and one of the best for all purposes.

Per pkt. 10c; oz. 35c; ¼ lb. \$1.00; lb. \$3.50, postpaid

VEGETABLE PLANTS

We have grown for us large quantities of choice vegetable plants, and can supply all of the varieties listed below, in their proper season, in most any quantity. We can supply all vegetable plants in two grades—plants direct from the seed beds and those that have been transplanted into shallow boxes. Transplanted plants are much stronger and better rooted, and are well worth the price, especially in the early part of the season. NO PLANTS SENT C. O. D.

WE GROW ONLY THE FOLLOWING PLANTS. NO PLANTS SENT C. O. D.

CABBAGE

EARLY JERSEY WAKEFIELD, COPENHAGEN MARKET, DANISH BALLHEAD

Transplanted and "pulled" plants. Early and late at seasonable times.

Prices	Postpaid	Not Prepaid
	Doz. 100 100 1000	
Transplanted	\$0.25 \$1.25	\$1.00 \$8.00
Not transplanted .....	.15 1.00	.75 6.00

CAULIFLOWER

EARLY SNOWBALL, DRY WEATHER, KING WHITE

Cauliflower seed is scarce and high in some varieties and plant prices subject to change.

Prices	Postpaid	Not Prepaid
	Dozen 100 1000	
Early Varieties, transplanted.....	\$0.30	\$1.75 \$12.00
Not transplanted		1.25 10.00
Late kinds, transplanted	Write for prices	
Late kinds, not transplanted		

Add 15c per hundred if ordered by mail

CELERY

GOLDEN SELF BLANCHING, WHITE PLUME

Fine, healthy plants in early and Winter varieties furnished in season.

To succeed with celery keep the plants growing constantly while young—if they "stand still" they are liable to run up to seed later.

Prices	Postpaid	Not Prepaid
	Doz. 100 100 1000	
Transplanted	\$0.30 \$1.25	\$1.00 \$8.50
Not transplanted	Write for prices	

BRUSSELS SPROUTS

These are very hardy and should be grown the same as Kale or Broccoli.

Prices	Postpaid	Not Prepaid
	Doz. 100 100 1000	
Brussels Sprouts	\$0.25 \$1.50	\$1.25 \$10.00

TOMATOES

EARLY JEWELL, EARLIANA, JOHN BAER, YELLOW PEAR

Tomato plants should not be set out before the weather is settled and ground warm, unless they are protected from frost.

If you do not know what variety is best, tell us; we will give you the right one.

Prices	Postpaid	Not Prepaid
	Doz. 100 100 1000	
Transplanted	\$0.30 \$1.50	\$1.25 \$10.00

Write for prices on "pulled" plants and large lots.

BROCCOLI

Our famous "St. Valentine" Broccoli should be in every garden. Broccoli is a Winter Cauliflower very hardy and of the finest quality—"St. Valentine" is the best variety. Plants can be set after June and are ready to use in March.

Prices	Postpaid	Not Prepaid
	Doz. 100 100 1000	
Broccoli	\$0.30 \$1.50	\$1.25 \$12.00

Write for prices on large lots.

KALE

When you order Kale be sure to state whether you want the Garden Kale or the "Cow" Kale.

Prices	Postpaid	Not Prepaid
	Doz. 100 100 1000	
Thousand Head or "Cow" Kale	\$0.20	\$1.25 \$1.00 \$6.00
Garden or Curley Kale .....	.25	1.50 1.25 10.00

Special prices on large lots in season.

MISCELLANEOUS PLANTS

All Transplanted

Prices	Postpaid	Not Prepaid
	Dozen 100 1000	
Celeriac	\$0.25	\$1.00 \$ 8.50
Egg Plant, Black Beauty .....	.30	1.25 10.00
Pepper, Chinese Giant .....	.30	1.25 10.00
Tobacco .....	.30	1.25 10.00

Add 25c per 100 for above plants by mail.

Chives (Schnittlauch), per bunch15c

NOTICE—Although we exercise the greatest care in the packing and dispatch of Vegetable Plants, we cannot guarantee safe arrival. Our responsibility ends on delivery to P. O. or Express Office.
No plants sent C. O. D. and no Pot Plants sent by Mail.

ASPARAGUS ROOTS

We can furnish the varieties listed below in selected one-year-old roots. We are not handling two-year or older stock, the one-year-old roots are used by all experienced growers and are the best size for transplanting.

Pedigreed Washington—New rust-resisting variety.

25c per doz.; \$1.00 per 100, postpaid

Palmetto—One of the most popular varieties grown. One-year-old plants—Postpaid, 30c per doz.; 50c per 50; \$1.00 per 100.

RHUBARB ROOTS

Young roots of Myatt's Victoria, which, if planted in good soil early in the spring, will make a strong growth and yield stalks for market the following spring. The plants increase in size every year and will with proper care last for many years. Thick luscious stalks shaded bright crimson.

Single Eye—Postpaid, each 15c; doz. \$1.50; 100 \$7.50.

Double Eye—Postpaid, each 25c; doz. \$2.50; 100 \$10.

Transplants—Grown one year from single-eye large, vigorous, healthy roots. Each 35c; doz. \$3.00, prepaid.



Anise

Balm

Sweet Basil

Borage

Caraway

SWEET, MEDICINAL AND POT HERBS, FROM SEED

To preserve varieties of which the leaves and stems are used, the stems should be cut from the plants just before the blossom appears (leaving a few joints at the base to sprout into fresh growth), tied in small bunches and hung up to dry. Where wanted for home use it is preferable to leave them hanging in a cool loft or garret until they are needed for use. The varieties marked with an asterisk (*) are hardy perennials, living over from year to year, and need replanting when the old plants become exhausted.

ANISE—(*Pimpinella anisum*)—Used for cordials, garnishing, and flavoring; the seeds have an aromatic taste.
Per pkt. 5c; oz. 10c; ¼ lb. 35c

BALM—(*Melissa officinalis*)—The leaves have a fragrant odor, and are used for making a pleasant beverage known as balm wine, also balm tea, for fevers.
Per pkt. 5c; oz. 25c

BASIL—Sweet—(*Ocimum basilicum*)—The leaves are used for flavoring soups, stews and highly seasoned dishes.
Per pkt. 5c; oz. 20c

BELLADONNA—(*Atropa Belladonna*)—Used for medicine. Crop failure.

BENE—(*Sesamum orientale*)—Too tender for the North, but much used in the South. The seeds furnish an oil used for softening and whitening the skin. The leaves immersed in water make a drink beneficial for diarrhoea.
Per pkt. 5c, oz. 15c

BORAGE—(*Borago officinalis*)—Leaves are used for flavoring, and flowers furnish bee pasture.
Per pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25, postpaid

***CARAWAY**—(*Carum carvi*)—Grown for the seeds which are used for flavoring bread, pastry, etc.
Per pkt. 5c; oz. 10c; ¼ lb. 25c

***CATNIP, or CATMINT**—(*Nepeta cataria*)—The leaves are used for seasoning. It makes also an excellent bee pasture.
Per pkt. 10c; oz. 30c; ¼ lb. 85c

CORIANDER—(*Coriandrum sativum*)—The seeds are used in manufacture of liquors and confectionery.
Per pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid

CUMIN—(*Cumin Cuminum*)—For flavoring pickles, soups, etc. Crop failure.

DILL—(*Anethum graveolens*)—The seeds have an aromatic odor and warm pungent taste. They are used as a condiment, and also for pickling with cucumbers.
Per pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid

***FENNEL**—Sweet—(*Anethum foeniculum*)—The leaves boiled are used in sauces.
Per pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 75c, postpaid

***HOREHOUND**—(*Marrubium vulgare*)—The leaves are used for seasoning and also in the manufacture of the popular cough remedy.
Per pkt. 5c; oz. 20c; ¼ lb. 60c

LAVENDER—(*Lavandula spica*)—A hardy perennial growing about two feet high. It is used for the distillation of lavender water or dried and used to perfume linen. It should be picked before it becomes dry and hard, and dried quickly. The seed is of rather slow and uncertain germination. Plant erect, with slender grayish green leaves and small violet-blue flowers.

Per pkt. 10c; oz. 30c; 2 ozs. 55c; ¼ lb. 90c; lb. \$3.00

LAVENDER, True—(*Lavandula vera*)—Perennial. Mostly grown for the sweet-scented flowers which, when dried, are placed in the linen closet to impart their delicate perfume to the linen. Commercially grown for perfume factories.
Per pkt. 25c

MARJORAM, Sweet—(*Origanum marjorana*)—An aromatic herb for seasoning. The young tender tops and leaves are used green in summer to flavor broths, dressings, etc., and are also dried for winter use. Usually grown as an annual as it is not hardy enough to endure the winter of the northern states. Plant erect but branching with small oval grayish green leaves and small purplish or whitish flowers.

Per pkt. 10c; oz. 25c; 2 ozs. 40c; ¼ lb. 75c; lb. \$2.50

***ROSEMARY**—(*Rosmarinus officinalis*)—The aromatic leaves are used for seasoning.

Per pkt. 5c; oz. 45c; ¼ lb. \$1.25

***RUE**—(*Ruta graveolens*)—For medicinal purposes; good for fowls.

Per pkt. 5c; oz. 20c

SAFFRON—(*Carthamus tinctorius*)—A hardy annual. Cultivated for its flowers which are used principally for coloring, sometimes for flavoring and to make the cosmetic powder called rouge. The flowers should be picked while in full bloom. Plant upright in growth, one to three feet high; leaves ovate, prickly; flower-heads yellow, thistle-like.

Per pkt. 10c; oz. 25c; 2 ozs. 40c; ¼ lb. 75c; lb. \$2.50

***SAGE**—(*Salvia officinalis*)—The most extensively used of all herbs for seasoning and dressing, indispensable.

Per pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00

SUMMER SAVORY—(*Satureia hortensis*)—The leaves and flowers are used extensively for flavoring, particularly in soups and dressings.

Per pkt. 5c; oz. 15c; ¼ lb. 40c; lb. \$1.25

***WINTER SAVORY**—(*Satureia montana*)—The leaves are used for flavoring.

Per pkt. 5c; oz. 20c; ¼ lb. 60c; lb. \$2.00

***TANSY**—(*Tanacetum vulgare*)—Per pkt. 5c; oz. 30c.

TAGETES LUCIDA—Considered an excellent substitute for the True Tarragon, which does not seed.

Per pkt. 10c; oz. 45c

TARRAGON—(Roots only)—(*Artemisia Dracunculus*)—Does not produce seed.

50c each, \$4.00 per doz.

***THYME**—(*Thymus vulgaris*)—The leaves are used for seasoning; a tea is also made for nervous headache.

Per pkt. 10c; oz. 25c; ¼ lb. 75c

***WORMWOOD**—(*Artemisia asintum*)—Used medicinally, and is beneficial for poultry; should be planted in poultry yards.

Per pkt. 5c; oz. 20c; ¼ lb. 60c

StimUplant

Makes a
Wonder Garden

BUTZER'S FLOWERS

Flower Seeds For Different Purposes
For description and prices see general list



PERENNIALS

Achillea
Aconitum
Adonis
Agrostemma
Alstroemeria
Alyssum
Anchusa
Anemone
Aquilegia
Arabis
Asperula
Aster
Aubrietia
Auricula
Bellis
Bocconia
Campanula
Candytuft
Centaurea
Cerastium
Chelone
Chrysanthemum
Coreopsis
Delphinium
Dianthus
Digitalis
Edelweiss
Eremurus
Erigeron
Erysimum
Erinus
Gaillardia
Geum
Hypsophila
Helenium
Helianthus
Heuchera
Hibiscus
Hollyhocks
Incarvillea
Lathyrus
Linaria
Linum
Lobelia
Lupinus
Lychnis
Pansies
Pentstemon
Phlox
Phylis
Polyanthus
Poppies
Primula
Pyrethrum
Romneya
Rudbeckia
Scabiosa
Silene
Statice
Stokesia
Sweet William
Veronica
Viola
Violet
Wallflower

FOR EDGING BORDERS

Ageratum
Alyssum
Armeria
Bellis
Candytuft
Centaurea
Lobelia
Marigold
Mysotis
Nasturtium
Nigella
Pennisetum
Petunia
Phlox, Dwarf
Portulaca
Pyrethrum
Sweet William
Sweet Pea, Cupids
Tagetes
Viola
Zinnia haageana

FOR HANGING BASKETS, WINDOW BOXES, etc.

Upright

Pansy
Ageratum
Heliotrope
Primulas
Candytuft

FOR HANGING BASKETS, WINDOW BOXES, etc.

Drooping

Alyssum
Convolvulus
Kenilworth Ivy
Lobelia
Nasturtium
Petunia
Thumbergia

EVERLASTING FLOWERS

Acroclinium
Edelweiss
Globe Amaranth
Helichrysum
Honesty, Lunaria
Rhodanthe
Statice
Xeranthemum

CLIMBING VINES

ANNUAL

Balloon Vine
Balsam Apple
Balsam Pear
Canary Bird Vine
Cardinal Climber
Convolvulus
Cypress Vine
Hyacinth Bean
Ipomoea
Japanese Morning
Glory
Mina Lobata
Nasturtium
Scarlet Runner
Sweet Peas
Thumbergia
Wild Cucumber

ROCK GARDEN

Alyssum Saxatile
Compactum
Anemone Pulsatilla
Aquilegia Alpina
Aquilegia Coerulea
Arabis Alpina
Armeria Formosa
Armeria Formosa
Hybrida
Armeria Laucheania
Armeria Maritima
Arenaria Montana
Asperula Odorata
Aster Alpinus,
Goliath
Aster Alpinus, Nixe
Aubrietia Bougainvillei
Auricula
Calamintha Alpina
Campanula Carpatica
Campanula Carpatica Alba
Campanula Alba
Candytuft Semper-virens
Cerastium Tomentatum
Crucianella Stylosa
Dianthus Caesius
Dianthus Deltoideus
Dianthus Plumarius
Edelweiss
Erigeron Speciosus
Hyb. Grandiflorus
Erigeron Grandiflorus Elatior
Erinus Alpinus
Erodium Manescavi
Erysimum Pulchellum
Forget-Me-Not Alpestris
Forget-Me-Not Alpestris Rosea
Geum
Geum Mrs. Bradshaw
Geum Lady Stratheaden
Globularia Trichosanthes
Gypsophila Repens
Helianthemum Mutabile
Heuchera Sanguinea
Hybrida
Hieracium Villosum
Inula Ensifolia
Linaria Cymbalaria
Lychnis Alpina
Oenothera Missouriensis
Poppy Alpine
Poppy Nudicaule
Poppy Mixed
Poppy Sunbeams
Poppy Double Mixed
Primula Japonica
Mixed
Primula Veris (Polyanthus)
Primula Yellow
Pyrethrum Roseum (Painted Daisy)
Pyrethrum Hybridum
Pyrethrum Album

Pyrethrum Carneum
Pyrethrum Roseum
Pyrethrum Atro-sanguineum
Pyrethrum Single Mixed
Saponaria Ocy-moides
Saxifraga Decipiens
Saxifraga Rhei superba
Silene Shafte
Solidago Virgaurea Alpestris
Tunica Saxifraga
Veronica Incana
Veronica Prostrata mixed

ANNUAL For Cutting

Agrostemma
Antirrhinum
Arctotis
Asters
Calendula
Calliopsis
Candytuft
Carnation
Celosia plumosa
Centairea
Chrysanthemums
Clarkia
Cosmos
Dahlias
Dianthus
Didiscus
Dimorphotheca
Eschscholtzia
Gaillardia
Godetia
Gypsophila
Larkspur
Lavatera
Lupinus
Marigolds
Mignonette
Nigella
Phlox
Poppies
Salpiglossis
Scabiosa
Statics
Stocks, Ten Week
Sunflower
Sweet Peas
Sweet William
Verbena
Wallflower
Zinnias

FOR SHADED PLACES

Anemone
Antirrhinum
Aquilegia
Auricula
Bellis
Canterbury Bells
Coreopsis
Delphinium
Digitalis
Hardy Primrose
Linum
Muscotis
Oenothera
Pansy
Polyanthus
Poppies (Hardy)
Schizanthus
Violet



BRIGHTEN UP YOUR HOME WITH FLOWERS

Plant flowers for your table, flowers for your home, and flowers for your friends. You can never have too many flowers. An abundance of pretty bouquets can be had with so little work and so little expense that every home should have the cheering influence of flowers. The culture of many is so very simple that anyone can succeed. Flowers are divided into three classes: Annuals, which produce flowers, mature and die in one season. Biennials, which grow from seed one year and bloom and die the second year. Many of these will produce flowers the first year if sown early enough. Perennials, which live for several years, producing flowers annually after the first season. These are grown from seed and also by setting out cuttings, slips, or divisions of roots. Perennials are very satisfactory, as they live for many years and produce large quantities of very beautiful flowers.

ABRONIA

Umbellata Grandiflora (Sand Verbena)—6 in. A charming trailing succulent plant, with Verbena-like heads of fragrant flowers, of bright rose with white center; it delights in a dry, poor soil and sunny situations on rock-work. Per pkt. 10c.

ABRUS

Precatorius (Crab's Eye Vine or Weather Plant)—This beautiful plant has created a great sensation. If the leaves stand upward the sky will be cloudless; if they stand out straight, changeable weather is indicated; when the leaves hang straight downward, water may be expected to fall in torrents. A local storm is indicated by the curling together of the leaves. Bears clusters of bright yellow flowers, followed by pods with brilliant red seeds used for making beads, etc. Seeds should be soaked in luke-warm water before planting. Per pkt. 10c; oz. \$1.00

ABUTILON

Royal Prize (Flowering Maple or Chinese Bell Flower)—3 to 4 ft.

*ACHILLEA (Milfoil. Yarrow)

Achilleas are of easy culture and grow in any good garden soil. They are useful for the border, wild garden or shrubbery; also for cutting.

Kelwayi—Dark blood-red. Pkt. 25c.

The Pearl—2 ft. June to August. Pure white, fine for cutting; blooms all summer. Per pkt. 15c.

*ACONITUM (Monkshood)

Do not plant near vegetable gardens. Roots are poisonous. Bold spikes of hood-shaped flowers, valuable for cutting; very effective in flower borders and shrubberies, thriving anywhere.

Napellis—2½ ft. August. Fine rich blue flowers. Per pkt. 10c

ACROCLINUM (Everlasting)

Roseum—2 ft. A pretty everlasting, bearing graceful, daisy-like flowers, pretty bright rose with yellow center which, when cut in the bud state can be dried and used for winter bouquets. Per pkt. 5c.

Roseum Flore Alba—Graceful, white, daisy-like flowers with yellow center. Per pkt. 5c.

Roseum Flore Pleno—Double pink. Per pkt. 10c.

Roseum Flore Alba Pleno—Double white. Per pkt. 10c.

Roseum Single Mixed—Per pkt. 5c; ¼ oz. 25c.

Roseum Double Mixed—Per pkt. 10c; ¼ oz. 30c.

*ADLUMIA (Allegheny Vine)

Cirrhosa—15 ft. The feathery foliage is like the Maidenhair Fern. Delicate rose pink and white flowers cover the plant. Per pkt. 10c.

*ADONIS

Vernalis—18 in. May. Large star-shaped yellow flowers. Per pkt. 10c.

AGAPANTHUS

Umbellatus (Blue Lily of the Nile)—1 ft. Bright blue flowers produced in clusters on long stems. Does well out of doors in all Southern States. Greenhouse plant in the North. Pkt. 15c.

*AGATHEA

Coelestis (Blue Daisy)—Flowers sky blue with yellow disk; easy growth. Per pkt. 10c.

AGERATUM

One of the best of summer flowering plants grown from seed. The plants start readily, grow rapidly and soon come into bloom, and when they begin to bloom they flower uninterruptedly throughout the season. During the hot, dry summer months there are no brighter or more freely produced flowers.

Album—White. Pkt. 5c.

Blue Perfection—This is the darkest colored of all large flowering Ageratums. Color deep amethyst-blue; compact growth; fine bedder; 9 inches. Pkt. 5c.

Dwarf Blue—6 in. A charming variety of compact growth, covered with heads of feathery flowers of a deep lavender color. Pkt. 5c.

Little Dorrit Blue—The best dwarf blue ageratum. Pkt. 5c

Finest Mixed—All colors. Pkt. 5c.

*AGROSTEMMA (Coronaria)

Rose Campion—One of the most attractive of the hardy perennials. Blooms the first season from seed, producing pretty pink-like blossoms on long slender stems. Fine for both mass planting and for bouquets. Height about 18 inches. Perennial. Per pkt. 10c.

AGROSTIS

Nebulosa (Cloud Grass)—1½ ft. An airy and graceful annual grass; looks like a line of mist when in bloom. Beautiful to mix with cut flowers. Pkt. 10c.

*ALSTROEMERIA

Aurantiaca—Belongs to the Amaryllis family, quite hardy, flowers orange color streaked with red. A well established plant will produce five to six flower stalks carrying ten to fifteen blossoms. Pkt. 25c.

ALYSSUM

A very pretty plant for beds, vases, baskets, edgings or rock work. Sweet scented and blooms profusely all summer.

Sweet (Maritimum)—This very hardy annual for borders, edging or massing in small beds, comes into bloom early in the spring, covering itself with clusters or trusses of small, pure white cruciform flowers. They have a peculiar, delicate fragrance and are useful in small bouquets. Usually not over eight inches high but spreading. Pkt. 5c; oz. 25c.

Lilac Queen—Beautiful soft lilac flowers, changing to white. Per pkt. 10c; oz. 75c.

Little Gem—Very dwarf—4 inches—and spreading. They quickly become one mass of white fragrant flowers, remaining in full bloom from spring to fall. Per pkt. 10c; ½ oz. 20c; oz. 30c.

Lutescens—Yellowish flowers, 6 inches. Per pkt. 10c.

Procumbens (Carpet of Snow)—A new and very select strain, carefully selected. Plants very spreading and only about 3 inches tall. Blooms are massed, completely hiding all foliage. Pkt. 10c.

ALYSSUM

*SAXATILE COMPACTUM

(Basket of Gold)—1 ft. May-June. Producing masses of golden flowers very early. May be planted effectively with Arabis. Per pkt. 10c; ¼ oz. 40c.

Those Marked * are Perennials

AMARANTHUS

Tricolor—A hardy annual with leaves of red, yellow and green; well known as "Joseph's Coat." Especially brilliant if grown in rather poor soil.

Caudatus—(Love Lies Bleeding)—Blood-red, drooping. Per pkt. 10c.
All varieties mixed. Per pkt. 5c.

AMMOBIUM

Alatum Grandiflorum—2½ ft. This pretty white Everlasting should be in every garden. Grows well in sandy soil. Pkt. 10c

ANAGALLIS

Grandiflora Mixed—6 in. Lovely dwarf plants, exceedingly effective as edgings, also charming on rock-work and in pots. Pkt. 10c
Grandiflora Coerulea—Dark blue, center deep purple. 10 inches. Pkt. 10c

***ANCHUSA**

Italica, Dropmore Variety—5 ft. June-July. Beautiful gentian blue, flowers one of the best perennials. Per pkt. 10c

Capensis—Annual blue. Per pkt. 5c.

***ANEMONE (Wind Flower)**

Very pleasing hardy plants for the herbaceous border. Fine large flowers, few plants compare with them in beauty. Excellent for bouquets and table decorations.

Coronaria (Poppy Anemone)—Mixed. June. 10 in. Per pkt. 10c
St. Brigid's Strain—May-June. Double and single mixed. 12 in. A beautiful selection of the Coronaria varieties in a wonderful array of colors. Per pkt. 10c.
Pulsatilla—1 ft. April-May. Well adapted for rock-work or border flowers, varying from lilac to purple. Per pkt. 10c

Pulsatilla Rubra—6 to 9 in. April-May. Dark red with erect flowers. Per pkt. 10c.

***ANTHEMIS (Marguerite)**

These Hardy Marguerites are most satisfactory perennials, succeeding in the poorest soil. The flowers are yellow.

Kelwayi (Hardy Marguerite)—2 ft. Daisy-like yellow blossoms, produced all summer. Excellent for cutting. Per pkt. 10c.

ANTIRRHINIUM (Snapdragon)

Without question one of the most desirable flowers for general garden culture. They come in a great variety of colors and are equally good for bouquets as for mass planting. They are biennials, but can be handled as annuals also. When sown in early May they bloom in July and then until frost. If covered slightly they will come through the winter nicely and bloom abundantly the second year. For very early flowers start in the house and transplant outdoors when weather is favorable.

Tall Maximum or Giants—32 inches

This is the newest creation in Giant Antirrhinums, and is a marked advance over the older Tall Large Flowered type in size and brilliancy of color. The flowers are closely placed on the stems.

Apple Blossom—Rosy pink, yellow lip.

Bunch of Lilac—Lilacy purple.

Canary Bird—Canary yellow, golden yellow center.

Copper King—Velvety copper scarlet.

Golden Queen—Deep yellow.

Indian Summer—Velvety copper.

Old Gold—Deep golden yellow.

Purple King—Deep glowing purple.

Snowflake—Pure white, yellow tube.

The Rose—Rose pink.

Wallflower—Brownish orange, copper red.

Finest Mixed. Per pkr. 15c, 2 for 25c

Large Flowering Tall—24 to 30 inches

Garnet.	Silver King.	<div style="display: inline-block; vertical-align: middle;"> <div style="font-size: 2em; line-height: 1;">}</div> <div style="display: inline-block; vertical-align: middle;"> <p>Pkt. 10c 3 pkts. 25c ¾ oz. 35c</p> </div> </div>
Delicata—Rose pink.	Golden King.	
Rose.	White.	
Scarlet.	Finest Mixed	

Butzer's Special Mixture of Snapdragons—Includes all these and many other charming varieties and a packet will furnish you with a never-ending color combination of long-stemmed cut flowers suitable for home, church or hospital decoration.

Per pkt. 10c; ¾ oz. 25c; ¾ oz. 40c; 1 oz. \$1.25.

BUTZER'S "ROSE CITY" COLLECTION
of 6 Packets of SWEET PEAS. All Spencers

25c buys these all in regular 10c pkgs.
See Page 60

**ANTIRRHINIUM
HALF-DWARF SNAPDRAGONS**

15 to 20 inches

Canary Bird—A beautiful shade of light lemon yellow.

Climax—Orange shading to yellow in lip.

Coccinea—Glowing orange scarlet.

Cottage Maid—Pale pink, white throat.

Crimson Queen.

Daphne—Soft blush pink.

Defiance—Orange red.

Empress—Rich velvety crimson.

Fascination—Pearly pink self.

Fawn—Terra cotta pink, suffused yellow.

Firebrand—Fiery orange-scarlet.

Golden Queen—Rich yellow.

Nelrose—Deep rose pink.

Silver Pink—Delicate rose-pink, seemingly covered with a silver sheen.

Each of above, Per pkt. 10c, any 3 for 25c.

Mixed—Per pkt. 5c.

***AQUILEGIA (Columbine)**

Charming hardy perennial plants growing from one to three feet high, bearing in countless numbers through May and June their exquisite blossoms of clear blue, white, rose, yellow, purple, striped, etc. For planting in permanent borders or naturalizing along the edges of woods or shrubbery this old-fashioned favorite is one of the best of all hardy plants.

LONG SPURRED HYBRIDS

Long Spurred Hybrids—The flowers are very large and distinct shades of blues, lavenders, mauves, whites, creams, pinks, reds, yellows, etc. Many of these colors being entirely new in the species and are the result of very many years' careful hybridization. Per pkt. 15c

Mrs. Scott Elliott's Strain of Long Spurred Hybrids (Seed from the originator).—This strain is allowed by the Royal Horticultural Society to be the best ever raised, and has received awards whenever exhibited. The blooms are of large size and the spurs very long. The colors range through shades of lavenders, mauves, blues, purples, whites, creams, yellows, pinks, reds, etc. There are no jarring or crude tints, and the whole form a most harmonious mass of coloring seldom seen, in other flowers. Per pkt. 25c

Canadensis (Turk's Cap)—Handsome scarlet and orange flowers. Per pkt. 10c

Chrysanth—3 ft. Yellow, long spurred. Pkt. 10c

Coerulea (Rocky Mountain Columbine)—3 ft. One of the most beautiful of our native American flowers. Sepals, deep blue; petals, white. Per pkt. 10c

Coerulea Rosea (Rose Queen)—2½ ft. Beautiful flowers of light to dark rose with white center and yellow anthers, a most delicate combination of colors. Per pkt. 25c

Farquhar Pink—Very fine. Per pkt. 25c

Vulgaris Double Mixed—Per pkt. 10c.

Single Mixed—Many varieties. Per pkt. 10c

Double Mixed—Per pkt. 10c.

BUTZER'S SPECIAL MIXTURE

includes all the above mentioned varieties and many new colors not found in any named collection. Pkt. 25c

***ARABIS (Rock Cress)**

Charming dwarf spring-flowering plants of easy cultivation; valuable for beds, edgings. They do well in any soil, but need plenty of sun.

Alpina—6 in. A most useful hardy perennial for spring bedding and rockeries. Early in the spring the pure white flowers make a pleasing contrast in beds and borders with Alyssum saxatile. Pkt. 10c

ARCTOTIS

Grandia, the Blue-eyed African Daisy—A quick-growing, half-hardy annual, forming a bush two to three feet across, with soft whitish foliage. The flower stems are long, while the flowers are large and showy—from two to three inches across—color pure white with a blue eye, surrounded by a narrow yellow zone, the under part of the petals being lilac blue; height 18 inches. Per pkt. 10c.

ARGEMONE

Grandiflora (The Prickly Poppy)—2 ft. Lovely plants with an ornamental foliage and large, handsome poppy-like flowers, snowy white, filled in the center with golden stamens, very beautiful. Per pkt. 10c.

Plant some Perennial Seeds this summer for next year's blooming.

Those Marked * are Perennials

***ARMERIA (Thrift Sea Pink)**

Grand plants for crevices of wall and rocks, and also for growing in flower borders or as permanent edgings; excellent plants for the sea coast. June-July.

Formosa—9 in. Pretty rose pink. Grand for borders. Pkt. 10c

Lauchearia—6 in. June-August. Crimson flowers, deep green tufty foliage. Per pkt. 10c

Maritima—3 to 6 in. May-June. Silvery pink flowers. Per pkt. 15c

***ARENARIA (Sand Wort)**

A fine plant for shady place in rock garden.

Montana—White—Pkt. 25c.

***ASPERULA**

Odorata Woodruff or Waldmeister. An herb whose leaves are used in making beverages or when dried used to lay among linens. 6 to 8 in. Also useful for carpeting, shady places and for edgings. Per pkt. 10c

**ASTERS**

This grand old fall favorite of our grandmother's garden still continues to beautify our garden. By gradual selection this plant now blooms from early summer until frost and its usefulness as a cut flower is unlimited. Our seed is produced by our own growers from stock seed especially selected and controlled by us.

Culture—Sow either in the open ground in May or in March or April in cold frame, spent hot-beds or pots or boxes in the house, covering the seed with about 1/4-inch of good rich soil; when the plants are strong enough, transplant about 18 inches apart in deeply dug, well-prepared beds. Asters must not be planted in freshly manured soil nor in soil that has been planted to Asters for two or three years previous. Slaked lime or fresh wood ashes are beneficial if stirred in the soil a little before planting and are said to counteract the ravages of the aster blight. A few soakings with tobacco water around the roots during the growing season is also recommended.

AMERICAN BEAUTY

Similar in type of flower and growth to the well known Late Branching Asters, but differs in that all the large blossoms are produced on much longer and heavier stems. Some of the individual stems measure more than two feet in length. It makes a very heavy growth, and is one of the latest flowering Asters that we know. This should be in every garden.

American Beauty Carmine Rose.
American Beauty Crimson.
American Beauty Lavender.
American Beauty Peach Blossom.
American Beauty Purple.
American Beauty Pink.
American Beauty Rose.
American Beauty White.
American Beauty Mixed.

Per pkt. 10c; any 3 pkts. for 25c.

ROSE CITY MIXTURE ASTER

This special mixture includes all of the newest and is truly an unrivaled mixture. This mixture will afford a splendid supply of flowers during the entire season. The best mixture on the market. Pkt. 10c; 3 pkts. 25c.

ASTERS**GIANT CREGO ASTERS**

The Crego is probably the largest of all Asters, the petals being exceedingly long and wavy and the flowers borne on stems some fifteen inches in length. It is a monster among Asters. A real treat awaits anyone who plants this variety.

Crego Pink.	Crego Malmaison Pink.
Crego Blue.	Crego Rose Pink.
Crego Cattleya Orchid.	Crego Shell Pink.
Crego Deep Rose.	Crego Crimson.
Crego Purple.	Crego White.
Crego Lavender.	Crego Mixed.

Per pkt. 10c; 3 for 25c

CREGO'S GIANT MIXED ASTER

Our own mixture of the above, each color grown separately and then carefully blended in nearly equal proportions. While we advise the planting of separate colors, this mixture, being specially prepared, will give the planter a fine assortment of all shades. Pkt. 10c

CALIFORNIA GIANTS

A new family of asters produced by a California seed grower and specialist in asters. They combine the robust habit of growth and length of stem that characterizes the Beauty type and the Crego or Ostrich Feather type of flower. A true non-lateral type.

California Giants Peach Blossom.
California Giants Light Blue.
California Giants Light Purple.
California Giants Deep Rose.
California Giants White.
California Giants Dark Purple.
California Giants Mixed.

Per pkt. 10c; 3 pkts. for 25c

CALIFORNIA GIANTS MIXED ASTER

Our own mixture of the above, each color grown separately and then carefully blended in nearly equal proportions. While we advise the planting of separate colors, this mixture, being specially prepared, will give the planter a fine assortment of all shades. Pkt. 10c

GIANT OSTRICH FEATHER ASTER

The finest type of the Giant Comet, or Ostrich Feather type of Aster. Much larger than the Giant Comet, the petals longer, more twisted, and produced in greater abundance. Borne on long stems, they make cut-flowers par excellence.

Soft Pink.	Dark Blue.
Rose.	Rose Pink.
Cinnabar—Terra Cotta.	Sky Blue.
Crimson.	White.
Light Blue.	Malmaison—Pink.

White turning to Sky Blue

Each of the above, pkt. 10c; any 3 pkts. for 25c.
Mixed, all colors, pkt. 10c.

THE KING ASTER

The habit is similar to the popular Giant Branching vigorous in growth, long stiff stems. In form the flower is entirely distinct from any other variety; petals somewhat resemble the quilled varieties, but are much larger and broader, those in the center being curled and incurved, completely covering the crown. In shape and size the bloom is round, full and very large.

White.	Crimson.
Pink.	Violet.
Rose.	Lavender.
Shell Pink.	Mixed, all colors.

Each of the above, pkts. 10c; any 3 pkts. for 25c.

GIANT BRANCHING COMET

This is one of the most popular and distinct types of Asters as well as being of the earliest period of bloom. Plants grow 12 to 15 inches in height, branching freely. The outer petals are broad, flat, and reflexed (curving outward), while the center of the flower is composed of many short petals, slightly pointed. The whole flower has a distinctly feathery effect resembling that of the Japanese Chrysanthemums.

Comet White.	Comet Lavender.
Comet Pink.	Comet Dark Blue.
Comet Rose.	Comet Crimson.
Comet Rose-Pink.	Comet Purple.
Comet Light Blue.	Comet Mixed.

Per pkt. 10c; 3 pkts. 25c, postpaid.

ASTER

THE SUNSHINE

Improved Anemone Flowered



One of the most attractive varieties. The plants are sturdy and strong, throwing up long flower stalks, making wonderful cut flowers. Some of the flowers have twisted petals and some have quilled petals; all have a cushion center of tiny quills of a contrasting color which makes a flower look as if it was covered with snowflakes. The blue flowers are dotted with a paler blue and some in white, and the rose in a lighter shade of pink or white. Their delicate beauty is hard to describe. A wonderful cut-flower variety, borne on long, stiff stems, and the flowers last a long time after cutting.

We can supply this in:

Carmine.
Flesh.
Lavender.
Pink.

Violet.
White.

Per pkt. 10c; 3 pkts. 25c

Sunshine Asters Mixed—A most attractive Anemone-flowered variety of special value for cutting, with a wonderful array of dainty colors covering all the color tones usual to the Aster. Mixture containing all colors.

Per pkt. 10c; 3 pkts. 25c

AMERICAN ASTERMUM

An attractive and descriptive name for a new race of asters which belong to the Comet family. The plants are of strong upright growth with 12 to 15 strong stems 20 inches long, each carrying a flower of perfect form.

Lavender.
Mixed three colors.

Rose Pink.
Snow White.

Each of the above, pkt. 10c; 3 pkts. for 25c

HEART OF FRANCE ASTER

Heart of France opens red as the purest ruby, deepens with age and retains its remarkable color to the very end. The petals appear strikingly changeable, showing now a glow and sheen quite unique, now a soft warm velvety texture. In any light, natural or artificial, Heart of France is startlingly beautiful and will command instant admiration. Pkt. 10c.

ASTER

SINGLE GIANTS OF CALIFORNIA

We offered this wonderful Aster for the first time last year. It was developed out of the Double Giants of California type. The flowers are large, measuring three to four inches across, with stems 18 to 24 inches in length. The petal has a slight twist, which adds a piquant touch to its beauty. The white blossoms resemble Shasta Daisies in appearance, but their greater length of stem makes them more graceful and better adapted to florist's use. In the garden, the Single Giants of California add a charming note of simplicity among the fuller types of Asters. We believe this new, single type of Aster is destined to become very popular.

We can supply this in White, Rose, Light Blue, Purple, Lilac, Delicate Flesh and Mixed, at 15c per pkt., 2 pkts. 25c.

SINGLE MARGUERITE ASTER

Plants strong, vigorous and of handsome pyramidal habit, very free blooming, and produce their beautiful flowers on long slender stems. The flowers are from 2 to 3 inches in diameter, with small yellow centers, and last a week when cut.

Scarlet.
Dark Blue.
Lavender.

White.
Mixed.

Per pkt. 10c each; 3 pkts., 25c

LAVENDER GEM ASTER

One of the most beautiful Asters. It is of true Comet type, with large, artistic, loosely-arranged flowers on long, wiry stems, and of the most charming shade of lavender imaginable. Begins blooming in July, continuing through August; a lovely variety for cutting.

Per pkt. 10c; 3 pkts. 25c

*ASTER (Alpinus)

Now fill a most important place in all hardy flower gardens, lighting up the borders and shrubberies with their masses and clouds of dainty and brightly colored blossoms throughout the autumn months up to November, when other flowers are scarce.

Alpinus Goliath—Large, soft blue. Pkt. 20c.

Alpinus Nix—Light blue, star-shaped. Pkt. 15c.

PEERLESS YELLOW

This is the best yellow Aster. The flowers are of fair size; they are borne on long stems; the color is a pleasing light yellow. Pkt. 15c.

*ASTERS PERENNIAL

Hardy Perennials of much beauty in the autumn days. Less showy than the Chrysanthemum, they are more refined in color and form. Easy to cultivate and fine for cutting.

All Sorts Mixed—Extra fine, from a splendid collection; sown early in spring, they will flower the same year. Pkt. 10c

ROSE CITY MIXTURE ASTER

This special mixture includes all of the newest and is truly an unrivaled mixture. This mixture will afford a splendid supply of flowers during the entire season. The best mixture on the market. Pkt. 10c; 3 pkts. 25c

*AUBRIETIA

Large-Flowered Hybrids. The beautiful mauve spring bedding plants makes the garden so gay in the early months of the year. Aubrietias produce great masses of bloom and are charming companions of Yellow Alyssum and White Arabis. Grows well from seed. Sown in June and plant out in autumn where required for flowering in spring. A valuable strain including a wide range of many unusual colors which cannot be fixed and offered separately. Height 6 inches.

Pkt. 25c

*AURICULA

These are among our most delightful spring flowers. They require a partially shaded location.

Auricula—6 in. Flowers in early spring in colors of yellow, brown and red. Per pkt. 25c

BABY BREATH (See Gypsophila)

BACHELOR'S BUTTON

See Centaurea.

BALLOON VINE

Thrives in light soil. One of the prettiest climbers. Remarkable for its inflated membranous capsules containing the seed. It is sometimes called Love in a Puff. Flowers white. Pkt. 5c.

BALSAM

Balsam or Lady Slipper—Double Camelia Flowered—An old and favorite garden flower, producing its gorgeous masses of beautiful brilliant colored double flowers in the greatest profusion; of easy culture; succeeds in a good rich soil. Our strain is unrivaled for great variety and size of flowers.

Double Bright Scarlet. **Double Salmon Rose.**
Double Rose. **Finest Double Mixed.**
Double White. **Per pkt. 5c.**

BALSAM (Apple) (Pear)

Apple—10 ft. A very ornamental and quick growing climber. While it has a flower, it is grown mostly for the effect of the fruit which follows. This is yellow, looks not unlike an apple—hence its name. When ripe it opens and shows the seeds and blood-red interior.

Per pkt. 10c

Pear—like above, only the fruit is pear-shaped.

Per pkt. 10c

Balsam—Apple and Pear mixed. **Per pkt. 5c.**

BARTONIA

Aurea—12 in. One of the most showy of annuals, excellent both for beds and borders; producing showy, golden-yellow flowers. The foliage is gray and thistle-like, and is exceedingly brilliant in the sunshine. It will not stand transplanting, so should be sown where intended to bloom. Sow in the open ground early in May. Blooms through summer and fall. **Per pkt. 10c**

BEGONIAS—See Page 72**BELLIS**—See Daisy.***BOCCONIA**

Cordata (Plume Poppy)—5 ft. A handsome border plant, having large lobed heart-shaped leaves with silvery undersurface, and flower plumes of a pretty cream color. **Per pkt. 10c**

BRACHYCOMME (Swan River Daisy)

A free flowering dwarf-growing annual which is covered during the greater part of the summer with an abundance of pretty blue and white flowers. Fine for edging, small beds or pot culture. Height, 9 inches. **Pkt. 10c**

BRIZA

Maxima (Quaking Grass)—12 in. Valuable for winter bouquets and wreaths. The seed clusters are heart-shaped and gracefully poised on such slender stems that they are almost constantly in motion. **Per pkt. 10c**

BURNING BUSH—See Kochia.**BROWALLIA**

A half-hardy annual, making a fine bedding plant. Blooms profusely. The flowers are bright ultra-marine blue, and also sky-blue with white center.

Mixed, pkt. 10c

CACALIA—2 ft.

Each flower is a miniature paint brush of orange-scarlet produced on long wiry stems which make it an excellent cut flower. An old but little known annual for the border worth trying.

Tassel Flower or Flora's Paint Brush—Scarlet and orange mixed. **Pkt. 10c**

***CALAMINTHA**

Alpina—6 in. A very graceful little rock plant, spreading tufts of pretty foliage, spangled with lavender blue flowers. **Per pkt. 25c**

CALENDULA (Pot Marigold)

This is the Marigold of Shakespeare's time. An annual of easy culture. Plants grow about one foot high and one foot in diameter and literally covered with large double flowers. Blooms from July to frost.

Orange King—The outer petals are slightly imbricated, while those of the center are curved like those of the peony. Color glowing orange. **Pkt. 10c**

The Ball—It has fine stems, immense double flower of a brilliant glisteny orange. A great favorite on the Cut Flower Market. **Pkt. 10c**

Balls Gold—Dark golden yellow. **Pkt. 10c**

Lemon Queen—Large sulphur yellow. **Per pkt. 10c.**

All Colors Mixed—**Per pkt. 5c.**

Camphire—Introduced last season, has proven to be the best forcing orange Calendula on the market. The flowers are extremely large and very dark orange with a scarlet sheen, making them most attractive. This strain has been carefully selected and will produce very strong stems with few buds on them, which gives the advantage for forcing purposes. **Pkt. 15c.**

Those marked * are Perennials

CALIFORNIA POPPY

See Eschscholtzia.

CALLIOPSIS (Tickseed)

Very graceful border plants, supplying throughout summer an abundance of elegant showy flowers which are greatly prized for bouquets and vases. They will thrive anywhere, even in city gardens, where their bright colors are highly appreciated.

Golden Wave—Flowers yellow with a circle of rich crimson-brown around the eye. **Per pkt. 5c**

Crimson King—**Per pkt. 5c.**

Golden King—**Pkt. 5c.**

Radiata Tigrinia (Tiger Flower)—6 to 8 in. Flowers large reddish-brown, turning golden yellow. **Per pkt. 10c**

Tall Double Mixed—**Per pkt. 5c.**

Tall Single Mixed—**Per pkt. 5c.**

Special Mixed—**Per pkt. 5c.**

***CAMPANULA (Canterbury Bells)**

Bellflower—Well known, beautiful, hardy herbaceous perennials, bearing a great production of attractive bellflowers; thrives best in light, rich soil; some of the varieties flower the first season if sown early.

Single Finest Mixed—All colors. **Pkt. 5c.**

Carpatia—Single Blue, grows 1 ft. high; compact; good for borders. **Pkt. 5c**

Double Blue, White, Rose or Mixed—**Pkt. 10c.**

Campanula Calycanthea—Cup and Saucer—Lilac, Rose (delicately rosy-pink), Pkt. 10c; White (pure white), Pkt. 10c; Blue (a fine clear shade), Pkt. 10c; Mixed (all colors), Pkt. 5c; Striped (white, striped blue), Pkt. 10c.

Persicifolia, Mixed (Peach Bells)—Beautiful bell-shaped flowers which come in colors of blue and white. **Pkt. 10c**

Pyramidalis, Blue (Chimney Bellflower)—Rich blue saucer-shaped flowers; 18 inches high. **Pkt. 10c**

Pyramidalis, White—A pure white form of the above. **Pkt. 10c**

CANARY BIRD FLOWER

This is one of the most beautiful of climbers, with handsomely fringed rich yellow flowers and delicate foliage. **Per pkt. 5c**

CANDYTUFT (Hyacinth Flower)

Candytuft has long been among the most highly prized of garden annuals. The best effect is produced by raising the plants in masses, and sowing the seeds where the plants are to bloom.

Little Prince—Dwarf white. **Pkt. 5c; oz. 70c.**

White Empress—Very sweet and attractive. **Pkt. 5c; oz. 50c**

CANDYTUFT (Iberis Umbellata)

Carmine—**Per pkt. 5c.**

Flesh—**Pkt. 5c.**

Lilac—**Per pkt. 5c.**

White—**Pkt. 5c.**

Crimson—**Per pkt. 5c.**

Lavender—**Per pkt. 5c.**

Rose—**Per pkt. 5c.**

Mixed—**Per pkt. 5c.**

Rose Cardinal—**Pkt. 5c.**

***CANDYTUFT (Perennial)**

Dwarf evergreen plants, 6 to 10 in., covered with blooms in spring and early summer. Excellent for rockeries or borders where bright dwarf masses are wanted.

Gibraltarica—Pinkish white. **Per pkt. 10c.**

Sempervirens—Flowers form a sheet of whiteness. **Per pkt. 10c**

***CANNA**

Enormous brilliant clusters of bloom borne on spikes above broad leaves of green or bronze, in tropical effect. No park, no public garden, private estate, or even moderate town plat is complete this summer without a showing of Cannas. These are usually planted from roots or started plants, but they can be successfully grown from seed if planted early. The seed should be pierced in one spot with a file and soaked in lukewarm water for 24 hours before sowing. A splendid lot of plants may be produced at a much reduced cost.

Choice Mixed—**Pkt. 5c.**

CANTERBURY BELLS (See Campanula)**CARDINAL CLIMBER**

Ipomea Quamoclit Hybrida—The finest new annual climber introduced in many years. Very graceful and beautiful, growing rapidly, and in a warm, sunny location, in good soil, it reaches a height of 20 feet and is densely clothed with deeply laciniated palm-like, rich green leaves, bespangled with clusters of fiery scarlet, tubular spear-shaped flowers, measuring $1\frac{1}{4}$ inches across. **Pkt. 10c**

***CARNATIONS**

A half-hardy, perennial, used generally for greenhouse florist's trade in winter and for a general garden favorite in summer. There are a large number of varieties and colors, but the early flowering mixtures are recommended for out-of-door culture. Sow the seed early in the year and transplant in March or April.

Chabaud Mixed—A remarkable strain raised by a Carnation specialist. Blooms in 5 months after being sown, and continues to flower indefinitely in the greatest profusion. Pkt. 100 seeds, 15c

Chabaud Double Dark Red. Pkt. 15c.

Chabaud Double Scarlet. Pkt. 15c.

Chabaud Double White. Pkt. 15c.

Chabaud Double Yellow. Pkt. 15c.

Finest Double Mixed—Saved from extra fine flowers. Pkt. 25c

***CARNATIONS**

Engleman's—We believe that there is no better carnation than this, over 80 per cent will be double and is a perpetual bloomer. Mixed, per pkt. 25c

CARNATION

Marguerite—This exceedingly valuable departure in Carnations has proved a complete success. Its most important feature is the fact that it flowers easily the first year from seed—that is, from seed sown in February or March, plants can be had in full bloom by August. The proportion of fine double flowers is very great, being usually 70 to 80 per cent; these are varied and beautiful in color and exceedingly useful for cutting. The habit of the plant is robust, and hence very useful for bedding purposes. Finest mixed. Pkt. 5c

CASTOR OIL BEANS—See Ricinus.

CELOSIA CRISTATA (Cockscomb)

Showy, half-hardy annuals of easy cultivation; 1 foot; producing large, brilliant, comb-like flower heads.

Tall Crimson—Pkt. 10c.

Dwarf Mixed—All the above and others. Pkt. 10c; ¼ oz. 30c

Tall Cockscomb Mixed—18 to 24 in. Pkt. 10c
Plumosa or Plumed Varieties—2½ to 3 ft. These stately plants are considered among the most ornamental, and should not be omitted in any garden. They generally form pyramidal bushes branching out in candelabra shape, and the numerous massive plumes which resemble ostrich feathers, wave gracefully above the foliage.

Plumosa Mixed, all colors. Pkt. 5c, ¼ oz. 15c.

CELOSIA

The Chinese Woolflower (Celosia Childsii)—Plants grow two to three feet high, the bloom starting early with a central head, round and globular, which often reaches the immense size of two feet in circumference. Scores of branches are thrown out, each bearing a ball of scarlet wool. All these branches support numerous laterals with small heads of bloom mixed with fresh green foliage, so that a plant looks like an immense bouquet splendidly arranged and set in the ground. None of the blooms fade in any way until hit by frost; but all continue to expand and glow with a deepening richness of color, a dark crimson-scarlet. Pkt. 15c
Childsii Yellow. Pkt. 15c. **Childsii White.** Pkt. 15c.
Childsii Scarlet. Pkt. 15c. **Childsii Mixed.** Pkt. 15c.

CENTAUREA

Double Cornflowers (Centaurea Cyanus)

These are also known as Bachelor's Buttons, Blue Bottle, Ragged Sailor, Blueet and sometimes as Ragged Robin, but which name belongs to one of the *Lychnis* and frequently results in confusion. It is always best to order by the botanical names. They are well known to every flower lover and always included in old-fashioned gardens.

Blue—This is the dark blue sort so much in demand for cutting. Pkt. 5c; oz. 30c.

White. Pkt. 5c, oz. 25c. **Pink.** Pkt. 5c.

Mixed. Pkt. 5c.

CENTAUREA IMPERIALIS

(Sweet Sultans)

This beautiful class is undoubtedly the finest of all Sweet Sultans for cut-flower purposes. The charming, sweet-scented, artistic-shaped flowers are borne on long, strong stems and when cut will stand for several days in good condition. It is best, in this latitude, to sow very early in the spring, so that they may perfect their flowers before very hot weather comes; 2½ feet.

Following distinct colors:

Brilliant Rose.

White.

Purple.

Mixed.

Deep Lavender.

Rosy Lilac.

Moschata Mixed—Sweet Sultan, white, red and blue. Pkt. 5c

CENTAUREA (Dusty Miller)

Candidissima—10 in. Thick silvery white leaves, used for bedding purposes. Pkt. 10c

Gymnocarpa Dusty Miller—1 ft. Foliage finely cut of silvery gray color, used for bedding. Pkt. 10c

***CENTAUREA (Perennial)**

A dry, sandy soil of moderate fertility, seems to suit them best, keeping up a profusion of bloom all summer.

Montana, Blue—Large-flowered perennial Cornflower. Pkt. 10c

Montana alba—White. Pkt. 10c.

***CERASTIUM**

Tomentosum (Snow in Summer)—4 in. Silvery white foliage, covered with snow-white flowers in early summer. Per pkt. 15c

Biebersteini—White. Pkt. 10c.

***CHEIRANTHUS**

Allioni—1 ft. Fine rock or border plant with orange flowers. Pkt. 10c

***CHELONE**

Long coral-red spike like a pentstemon.

Hybrida, Mixed (Turtle Head)—3 ft. July and August. Allied to Pentstemon; throws out long spikes of brilliantly-colored flowers. Pkt. 10c

Barbatus Coccinea—Red. Pkt. 10c.

CHRYSANTHEMUM

These outdoor "summer Chrysanthemums" are showy for bedding or borders in the garden and desirable for cut flowers. Plants become more bushy and shapely if pinched back in early growth and the practice of disbudding will result in much larger flowers. These annuals are not the winter flowering sorts sold by florists and which are propagated only by division of roots.

Coronarum—Double Tall Mixed. Pkt. 5c.

Coronarum—Double Dwarf Mixed. Pkt. 5c.

Carinatum—Single Mixed. Pkt. 5c.

Carinatum—Double and Single Mixed. Pkt. 5c.

CLARKIA

One of the prettiest and showiest of hardy annuals that bloom freely and have flowers of such various bright colors that a bed of them in full bloom is a beautiful sight; useful for hanging baskets, vases and as edgings to beds of larger growing plants. Sow outdoors in early spring and grow in partial shade. The plants keep up a continuous bloom through midsummer to late autumn. Average height 1½ ft.

Alba Elegans—Double pure white.

Apple Blossom Elegans—Double pink.

Brilliant Elegans—Double salmon pink.

Salmon Queen Elegans—Double salmon.

Scarlet Queen Elegans—Double orange scarlet.

Purple Prince Elegans—Double purple.

Choice of above, pkt. 5c

Double Elegans Mixed. Pkt. 5c; ¼ oz. 15c.

Double and Single Mixed. Pkt. 5c; ¼ oz. 15c.

CLEOME

Pungens (Spider Plant)—5 ft. A showy garden annual producing curious heads of flowers of bright rose color; of easy cultivation, blooming until late; a good bee plant. Pkt. 10c

COBOEA

Coboea Vine, Cathedral Bells—One of the handsomest and most rapid growing annual climbers, running up to 30 feet in a season. The flowers are bell-shaped and of a purplish lilac when full grown. It is a very prolific bloomer, one that makes a show the first year, both in vines and flowers, one that is always clean of insects. We know of none better. ¼ oz. 15c

Blue—Pkt. 5; **White**—Pkt. 5c; **Mixed**—Pkt. 5c.

COCKSCOMB (See Celosia Cristata)

Those marked * are Perennials

COIX LACHRYMAE (Job's Tears)

Curious ornamental grass with broad, corn-like leaves and lustrous slate colored seeds used for beads. Valuable for winter bouquets with everlasting flowers. Plant outdoors early in spring in hills three feet apart, four or five seeds in a hill, and cover half an inch deep. Hardy annual; three feet high. Pkt. 5c; oz. 15c

COLUMBINE (See Aquilegia)***COREOPSIS (Tickseed)**

One of the most popular hardy plants, the flowers are a rich golden yellow of a beautiful graceful form and bloom June to October.

Lanceolata Grandiflora—2 ft. Large orange-yellow flowers on long graceful stems. About the best yellow cut flower blooming incessantly. Pkt. 10c

***COREOPSIS (Double)**

Lanceolata Grandiflora Fl. Pl. (Double Flowering Coreopsis)—This new double and semi-double form is just as easy to grow as the single and the extra petalage adds a further charm to the flower. Pkt. 10c

CORNFLOWERS (See Centaurea)**COSMIDIUM**

Two feet. The flowers are golden yellow with a broad circle of a rich orange around the disc, a pleasing combination. Plants produce a succession of bloom all summer. Pkt. 10c

COSMOS

One of the best and showiest annuals for late summer blooming. The plants grow to a height of from four to six feet and therefore make an excellent background for the garden. The flowers are borne on long stiff stems and with the feathery foliage make beautiful bouquets. Will last about a week in water.

Mammoth Flowering—White, pink, red, crimson or mixed. Pkt. 10c; ¼ oz. 20c

EARLY FLOWERING COSMOS

Seed started early in the house or frame, will produce flowers a month earlier than Mammoth.

Crimson. Pkt. 10c. White. Pkt. 10c.

Pink. Pkt. 10c. Mixed. Pkt. 10c, ¼ oz. 30c.

COSMOS CRESTED

Anemone Flowered or Crown and Crested—These differ from the other cosmos in the formation of the center of the flower, which develops a crown or crest, like an anemone, the guard petals remain the same.

Crimson. White Queen.

Malmalson Pink. Mixed.

Pink Beauty.

Each of the above, pkt. 10c.

COSMOS

Klondyke—A gorgeous orange-yellow flower with very handsome foliage more coarsely lacinated than others. Pkt. 10c

***CRUCIANELLA**

Stylosa—Tangled masses of elegant foliage, with crowned heads of light red flowers. Pkt. 15c

CYNOGLOSSUM (Chinese Forget-me-not)

This easily grown annual deserves to be grown quite extensively on account of its wide range of adaptation, easy culture, and attractiveness. It thrives in a dry sunny location where few other flowers will make a show and blooms continuously from June until September. No special care is required to create attractive beds or borders with it.

Sow the seed during April or May, covering it with ¼ inch of fine soil. When plants are about 2 inches tall thin to stand 6 inches apart. The plants will soon bear a mass of bright blue Forget-Me-Not-like flowers. Pkt. 10c.

CYPRESS VINE (Ipomoea Quamoclit)**CYPRESS VINE**

A most beautiful rapid growing climber with delicate dark green, feathery foliage and many bright, star-shaped, scarlet or white blossoms. Planted by the side of veranda, tree or stakes, and trained properly, there is no handsomer climber.

Seed is usually sown outdoors early in spring in the row where the plants are to remain. Cover seed one-half inch deep. Germination will be hastened if the soil is warm and kept in moist condition. Thin the young plants four to six inches apart. Tender annual; About 15 feet high.

Rose—Pkt. 5c; oz. 25c.

Scarlet—A very deep, rich shade. Pkt. 5c; oz. 25c.

White—Clear paper white. Pkt. 5c; oz. 25c.

Mixed—The two colors above. Pkt. 5c; oz. 20c.

***DAHLIA**

A favorite for autumn flowering blooming the first season from seed if started early. The flowers are so symmetrical and perfect and the range of colors so wide and varied that they will always be popular where display is wanted.

Seed may be sown in spring in open ground after danger of frost is over, but for best results sow in shallow pans at any time from March to June, and transplant the seedlings to small pots. When strong enough and danger from frost is over plant out one foot apart. These plants will produce tubers which should be taken up in the fall and replanted the following spring; these roots will flower freely the following autumn. Tender herbaceous perennial, three to four feet high.

Finest Double Mixed—Seeds saved from choicest double flowers, including shades of red, pink, dark maroon, yellow, white, etc. Pkt. 15c.

Finest Single Mixed—Will produce brilliant flowers running through a wide range of striking colors.

Pkt. 10c; oz. 50c.

Finest Cactus—From the best varieties, mixed.

Pkt. 10c

Collarette—Our special strain of Collarette varieties contains a great variety of distinct shades and colors, the majority being equal in form to named varieties.

Pkt. 10c

All Varieties Mixed. Pkt. 10c.

DAHLIA BULBS (See pages 68 to 71)***DAISY**

Daisy, or Bellis Perennis—Plants of Double Daisy will bloom the first summer and will continue to bloom for years if given slight protection during the winter. They are very pretty when in bloom, and deserve to be grown much more than they are. They commence blooming in April and continue to bloom until summer. They are not very particular as to soil, but should be grown where they have partial shade.

Double Red. Pkt. 10c.

Pink. Pkt. 10c.

Double Rose—Finest strain. Pkt. 10c.

Double White—Clear white. Pkt. 10c.

Double Mixed—Shades of rose and white. Pkt. 10c.

Those Marked * are Perennials

***SHASTA DAISY**

A fine perennial plant bearing large white single blossoms, with yellow centers; an excellent cut flower and admired everywhere. Soak seed in warm water over night before sowing. Pkt. 10c.

***DATURA**

Large branching plants producing very large, handsome double or single, trumpet-shaped blossoms of exquisite fragrance. Excellent for late summer and autumn flowering.

Seed may be sown outdoors after danger of frost is over, but for early blooming sow in hotbed and transplant about three feet apart each way. Roots can be kept all winter in cellars. Tender annual; three feet high.

Wrightii—Pure white at the center shaded into lilac and blue; magnificent large single flowers. In warm latitudes can be continued as a perennial. Pkt. 10c.

***DELPHINIUM**

Delphinium—Hardy Larkspur. Very decorative border plants ranging in height from the 18-inch Cashmerianum to the stately Hybrids, 5 to 6 feet tall, whose side shoots flower after the main spike has finished, thus prolonging the blooming period. If the flower spikes are removed as soon as they fade, new ones will continue to appear, at intervals all summer. The colors run from pure white to darkest blue. Some varieties have a black center, others show a pleasing contrast, in shades of blue, between the inner and outer petals. Stake all varieties when 18 inches high to prevent them from blowing down.

***Butzer's Portland Hybrids**—This mixture is a wonder. The plants are strong and vigorous. The flower spikes are tall and graceful, covered from bottom to top with the most beautiful hollyhock-like flowers. The colors are from the palest lavender to the richest blue, some with white centers, others with black, reminding one of bees at work. Pkt. 15c

Belladonna—Light Blue. 2 feet. Flowers exquisite shade of turquoise blue. Pkt. 15c.

Belladonna—Dark Blue. Pkt. 15c.

Chinese Album—White. Pkt. 5c.

Cardinale—Brilliant scarlet. Pkt. 10c.

Chinese Dark Blue. Pkt. 5c.

Chinese Light Blue. Pkt. 5c.

Chinese Blue Butterfly. Pkt. 5c.

Finest Mixed. Pkt. 5c.

DIANTHUS—See Pinks.

DIDISCUS (Blue Lace Flower)

Coeruleus—This pretty and interesting annual blooms most profusely from July until November; also used extensively for early spring flowering in a cool green house; their exquisite pale lavender blossoms are excellent for cutting; plants grow about 18 inches high, and have as many as 50 flowers open at one time. Pkt. 15c

DIGITALIS (See Foxglove)

DIMORPHOTHECA

(African Golden Daisy)

Aurantiaca—(Golden Star of the Veldt)—1 ft. Rare and very showy annual from South Africa, having daisy-like flowers of a glossy salmon-orange shade with black central ring, a lovely color when flowers open in the sun. Pkt. 10c, ¼ oz. 30c.

Dimorphotheca—New Shades—Salmon Beauty, White Beauty, Golden West, Orange, Mixed. Per pkt. 10c.

DIMORPHOTHECA RINGENS

A beautiful species of the Cape Marigold, of light graceful habit and bearing elegant white flowers, 3 in. across, with dark blue-spotted center, reverse of petals blue and mauve; in bloom from spring to autumn. Pkt. 10c

DOLICHOS (Hyacinth Bean)

Princess Helen—(Daylight)—Snow white flowers followed by silvery white seed pods. 1 oz. 25c; Pkt. 5c.
Purple Soudan—(Darkness)—Attractive rose-violet flowers with dark ruby-purple seed pods. 1 oz. 25c; pkt. 5c.

Mixed, all colors—2 oz. 35c; 1 oz. 20c; pkt. 5c.

Echinocystis Lobata—See Wild Cucumber.

***EDELWEISS**

Leontopodium Alpinum—4-12 in. June-July. The true and famous Edelweiss of the Alps. The flowers are of downy texture, pure silver white and star-shaped. Succeeds in almost any soil with full exposure to sun. Per pkt. 25c

***ERIGERON (Flea Bane)**

Valuable summer flowering plants with elegant single aster-like flowers, much prized for cutting.

Elatier Speciosus Hyb. Grandiflorus—Large flowers, rich purple. Pkt. 20c

Elatier Grandiflorus—Rosy. Pkt. 20c.

***ERINUS**

Alpinus—Pretty rosettes of foliage and racemes of rosy purple flowers. A first rate rock plant and also invaluable for establishing on old walls or between steps. 4 in. May-June. Per pkt. 35c

***ERODIUM**

Manescavi—Handsome dwarf perennial, producing an abundance of small Pelargonium flowers, bright crimson-purple, delicate fern-leaved foliage. 18 in. June-Aug. Per pkt. 15c

***ERYSIMUM**

Pulchellum (Fairy Wallflower)—A new dwarf species forming close mats of dark green, later eclipsed with yellow bloom. Sandy soil. Per pkt. 15c

**ESCHSCHOLTZIA**

Eschscholtzia, or California Poppy—A hardy annual, with fine-cut, feathery foliage and beautiful velvety cup-shaped flowers. Grows from one to one and a half feet high, and blooms profusely. Seed may be sown in the fall, and any time thereafter till April, and blossoms may be had from early in January till late in summer. Of the easiest culture. Any soil will do, but the better the soil the larger the plants and blossoms. It is best to sow the seed in the garden, where the plants are to remain, as they do not transplant easily.

Alba (Pure White). Pkt. 5c.

Canaliculata Rosea—Rosy pink. Pkt. 5c.

Carmine King—Deep carmine. Pkt. 5c.

Chrome Queen—Amber yellow. Pkt. 5c.

Crimson—Carmine crimson. Pkt. 5c.

Dainty Queen—Coral pink on cream ground. Pkt. 5c.

Golden West—Yellow orange center. Pkt. 5c.

Lovely—Rose pink suffused salmon. Pkt. 5c.

Mikado—Orange crimson. Pkt. 5c.

Purple Glow—Reddish purple. Pkt. 5c.

Scarlet Beauty—Deep scarlet. Pkt. 5c.

Tango—Bronze red overlaid Terra Cotta. Pkt. 5c.

The Geisha—Inside petals brilliant gold, outside orange crimson petals fluted. Pkt. 10c.

Mixed—An excellent mixture producing deep yellow creamy white, scarlet and orange flowers. Pkt. 5c; oz. 40c.

FORGET-ME-NOT (*Myosotis*)

Half-hardy perennial, which flowers the first year from seed if sown early. Will bring forth lovely blossoms throughout the whole summer and fall. Flowers are borne on long stiff stems, and of the most exquisite colors. They succeed best with moisture in a somewhat shaded position.

Blue. Pkt. 5c.
White. Pkt. 5c.

Pink. Pkt. 10c.
Mixed. Pkt. 5c.

FOUR O'CLOCK

Marvel of Peru—A hardy annual, growing luxuriantly in any ordinary soil, and bearing a profusion of bright, handsome flowers of various colors, shades and markings. Flowers open at four o'clock, close in the morning. Choice Mixed. Pkt. 5c; oz. 20c

*FOXGLOVE (*Digitalis*)

Digitalis—A hardy perennial, blooming the second year from seed. Grows usually about 3½ feet, although in very rich soil sometimes 6 feet. The bell-shaped flowers are borne on long spikes, and come in shades of purple, lavender, rose and white, all spotted lightly inside the blossoms. Thrives best in cool, shady locations.

Gloxiniaeflora—This is a fine strain of the ordinary Foxglove (*D. purpurea*), with handsome spotted Gloxinia-like flowers on long spikes.

Purple. Per pkt. 10c.

Rose. Per pkt. 10c.

White. Per pkt. 10c.

Mixed. Per pkt. 10c.

The Shirley—A magnificent strain of the highest beauty, the results of many years of careful re-selection by the Rev. W. Wilks in his famous garden at Shirley; growing 5 to 7 ft. high, the 4-ft. long inflorescences bearing enormous flowers ranging from pure white to the deepest rose, and wonderfully blotched and spotted dark maroon, crimson and chocolate. Pkt. 15c.

Lutzi—Salmon. Pkt. 10c.

Butzer's Special Mixture of Digitalis—A grand mixture of the above, and many other colors. Pkt. 10c.



GAILLARDIA

Both the annual and perennial varieties of Gaillardia are very showy and free bloomers all summer long until frost; good in any situation and easily grown. The individual flowers are of large size, very durable, and most brilliant in color; fine for bouquets. 2 to 3 ft.

*Dazzler—Large flowers up to 5 inches across, bright golden yellow with rich maroon red center, fine for cutting. Pkt. 10c

*Portola Hybrids—The plant is of strong, vigorous, erect habit of growth, from 2½ to 3 ft. high; the stems are strong, and stiff, holding the flowers erect; these are of large size, nearly 4 inches in diameter, the petals being very broad and overlapping, of great substance, and spread out flat, forming a very regular flower; in color a brilliant scarlet with coppery hue which is intensified by the golden yellow with which each petal is heavily tipped. Comes about 50% true from seed. Pkt. 10c.

GAILLARDIA (Blanket Flower)

*Stand-Holder—Large flowers, more or less yellow bordered, and with lighter or darker red wings around the center. The petals are broad but occasionally tubular with an inclination to doubleness. Blooms early and the stems are stiff and long. Pkt. 10c

*Grandiflora (Perennial)—A compact variety, forming bushy plants 12 to 15 inches high, and bearing its long-stemmed flowers well above the foliage. In coloring the flowers are as rich and varied as those of the tall-growing sort. Pkt. 10c; oz. 50c

*Butzer's Special Mixture of Gaillardias—A grand assortment of all varieties. Fine for cut flowers. Pkt. 10c

All the following Picta sorts are most elegant annuals and well deserve generous plantings.

Picta—Red and yellow; very brilliant. Pkt. 5c; oz. 50c

Picta, Lorenziana—Double; mixed colors; flowers large. Pkt. 5c; oz. 50c

Picta, Mixed—Finest colors. Pkt. 5c; oz. 50c.

GAURA

Lindheimeri—3 ft. A graceful plant bearing numerous spikes of rosy white flowers from July until frost. Pkt. 10c

GERBERA (Transvaal Daisy)

Jamesoni Hybrids—They are half-hardy perennials, usually grown as greenhouse or window plants. The daisy-like blossoms, 2 to 4 inches across, being borne on long stems, are unsurpassed as cut flowers, as they are of wonderful lasting quality. For garden culture in cold climates the plants are wintered over in cold frames like pansies, etc. They are easily grown from seed and will commence flowering the first year, although old plants will produce the greater abundance of bloom. The colors include a galaxy of incomparable delicacy and richness, in which a wilderness of tints from pure white through yellow, orange, salmon, rose, cerise and ruby-red to violet are represented. Does remarkably well in California. Pkt. 25 seeds, 25c

Gerbera—Scarlet shades. Pkt. 25c.

*GEUM

Geums belong to the Rose family. The species described are showy, free-flowering kinds producing a wealth of attractive flowers which are much prized for cutting. They are of a tufted habit of growth with pinnate leaves. Excellent for border culture. To avoid wilting after cutting put stems in warm water.

Lady Stratheden (Golden Ball)—Flowers loosely double, a delightful shade of golden yellow. Cut blooms of this with sprays of Euphorbia Polychroma make a charming cut flower combination. Pkt. 15c.

Mrs. Bradshaw—The double orange-scarlet flowers are very large and full; comes quite true from seed and blooms the first year. 2 ft. June-September. Pkt. 10c.

GILIA

A hardy annual, growing 12 inches high, small delicate flowers valuable for rock work or borders. Tall Sorts, Mixed.

Pkt. 5c, ½ oz. 15c

*GLOBULARIA (Globe Daisy)

Shrubby plants for the hardy garden or rockery, producing fluffy balls of blue flowers during the summer. They all require light soil in a warm, sunny position.

Trichosantha—Dark blue. 12 in. Pkt. 20c

GODETIA—Dwarf

A hardy annual, very valuable for bedding and borders. For mass effects in shades of rose, red or pink it is unexcelled. The satiny cup-shaped flowers cover the compact-growing plants. The seed should be sown in the fall or early spring.

Brilliant—Carmine rose. Pkt. 5c.

Crimson Glow—Crimson. Pkt. 5c.

Duke of York—Pkt. 5c.

Duchess of Albany—White. Pkt. 5c.

Gloriosa—Blood red. Pkt. 5c.

Lady Satin—Rose. Pkt. 5c.

Mandarin—Yellow. Pkt. 5c.

Rosamond—Shell pink. Pkt. 5c.

Rose—Pkt. 5c.

Scarlet—Edged white. Pkt. 5c.

Mixed—Pkt. 5c.

Those Marked * are Perennials

GODETIA—Schamini Type

Tall Double, Azalea Flowered

Are quite different from other sorts, inasmuch as they throw up flower spikes much like a gladiolus only more graceful, which are closely set by double flowers in bright and attractive colors. An excellent cut flower. Glorify your garden with Godetia.

Carminea—Pkt. 5c. Rosy Morn—Deep rose. Pkt. 5c.
Crimson—Pkt. 5c. Pink—Pkt. 5c.
Mauve—Pkt. 5c. White—Pkt. 5c.
Rose—Pkt. 5c. Finest Mixed of above—Pkt. 5c.

GOURDS

All

Varieties

Mixed

5c

Per pkt.

25c

Per oz.



GOURDS (Ornamental)

These are desirable in many places where an immense amount of vine is wanted quickly. The blooms of some are quite striking and handsome. With many sorts the fruit is unique and ornamental and often useful. The small fancy gourds are excellent toys for children, while the larger gourds may be used as dippers, sugar troughs and bowls.

Apple Shape—Pkt. 5c.

Orange Shape—Pkt. 5c.

Dipper Shape—Pkt. 5c.

Bottle—The original Thermos bottle. Used by the pilgrims of the Orient. Pkt. 5c

Calabash or Pipe Gourd—Odd-shaped fruit which is used to an advantage in making pipes. Pkt. 10c

Dishcloth or Towel—Many women prefer a dishcloth made of this Gourd to anything else, as it is always sweet and clean as long as any part of it is left.

Hercules Club—Fruit grows 3 to 4 ft. long. Pkt. 5c

Nest Egg—Fruit looks exactly like a hen's egg and may be used as nest eggs. Pkt. 5c

Pear Shaped—Striped yellow and green. Pkt. 5c

Sugar Trough—Thick shells, very durable. Pkt. 5c

Large Varieties Mixed—Pkt. 5c; oz. 25c.

Small Varieties Mixed—Pkt. 5c; oz. 25c.

All Varieties Mixed—Pkt. 5c; oz. 25c.

GREVILLEA

Robusta (Silk Oak)—1 to 5 ft. It is easy to manage, grows rapidly from seed, and is pretty in all stages of growth; with its long, drooping, silky foliage it reminds one of a palm or fern. Pkt. 10c

GYPSOPHILA

Graceful plants of light fairy-like growth. Much in demand for cutting and combining with other flowers for bouquets and vases.

Elegans Grandiflora Alba (Angel's Breath)—This is an improved, large-flowering, pure white, of free, easy growth. Several sowings should be made during the season to keep up a supply. Pkt. 5c; ½ oz. 20c; oz. 30c

Elegans Crimson—Pkt. 5c.

Elegans Carminea—Pkt. 5c.

Deep Pink—Pkt. 5c.

Elegans Rosea—Soft pink. Pkt. 5c.

Muralis—6 in. A lovely little rock or edging plant with rose-pink flowers. Pkt. 10c

Those marked * are Perennials

*GYPSOPHILA (Perennial)

Paniculata (Baby's Breath)—2-3 ft. July-August. Small flowers on branched stems, so thick as to give the plant a white lace-like effect. Per pkt. 10c

*Paniculata Flore Pleno (Perennial)—A great improvement on the single-flowered type and more lasting, the flowers forming miniature balls of white petals. Not quite fixed, but about 25 per cent come true. The plant is difficult to propagate by division, and seedlings prove much more vigorous. Pkt. 10c

*Repens—Dwarf white, fine for rockery. Pkt. 15c

Repens Rosea—Pkt. 15c.

*HELENIUM (Sneezewort)

Late-flowering hardy perennials; broad heads of elegant, golden-yellow flowers; fine for cutting. 5 to 6 ft. Autumnale superbum—Pkt. 10c.

*HELIANTHUM

Mutabile (Rock Rose)—Low-growing evergreen plants forming large clumps, completely covered with bloom during July and August. Pale rose changing to lilac then to white. 8-12 in. Excellent for rockeries. Mixed colors. Pkt. 10c

HELIANTHUS (Sunflower)

Hardy annuals, of stately growth, remarkable for the size and brilliancy of their flowers. Very useful as cut flowers. Effective in forming background of large beds or borders and for distant effect.

Chrysanthemum Flowered—Perfectly double; the color is the brightest golden yellow. The flowers are so perfect in form that they resemble very much double Chrysanthemum-Flowered Asters, with long stems; grows seven feet high, and bears profusely all summer long. Pkt. 5c; Single, all colors. Pkt. 5c

Dwarf Red—Pkt. 5c.

Nanus Flore Pleno—2½ feet. Double dwarf, beautiful for massing in beds. Pkt. 5c

Russian Mammoth—Single, of gigantic dimensions. For larger amounts see Farm Seed pages. 1 oz. 5c

Miniature-Flowered Sunflowers—The varieties of Helianthus cucumerifolius form spreading bushes with small graceful foliage and bear a multitude of small elegantly formed flowers, which are borne for a long time in succession, and are invaluable as cut flowers. Pkt. 10c; oz. 40c

*HELIANTHUS (Hardy Sunflower)

Hardy, perennial Sunflowers flourish splendidly in any garden, city or country. They are a beautiful race of sturdy, showy plants, invaluable for cutting, as they last so long in water.

Angustifolius (Autumn Glory)—5 to 7 ft. The great massing branches are a sheet of solid bloom of the clearest and richest golden yellow. Flowers are like great daisies flecked with gold. Blooms very late in season after frost has killed everything else. Per pkt. 15c



NEW
MAMMOTH
FLOWERING
HELIOTROPE

Flowering Heliotrope Plants (from seed grown in spring)—It is but little known that seed sown in February and March will produce large flowering plants the first summer. Our mixture contains seeds from many named sorts, and will produce fine plants with proper treatment.

Mammoth Flowering. Pkt. 10c.

HELICHRYSUM (Everlasting Flower)

A free-flowering, hardy annual, growing four to five feet high and bearing beautiful straw-like flowers in a great variety of shades and colors. The stems are long and the blossoms large. It is the best and most satisfactory of the everlasting flowers, and makes a very handsome dried bouquet.

Crimson. Pkt. 5c.	Rose Queen. Pkt. 5c.
Fireball. Pkt. 5c.	Scarlet. Pkt. 5c.
Silverball. Pkt. 5c.	Salmon Queen. Pkt. 5c.
Goldenball. Pkt. 5c.	Violet Queen. Pkt. 5c.
Rose Carmine. Pkt. 5c.	Finest Mixed. Pkt. 5c.

***HEUCHERA** (Coralbells)

Beautiful plants for front row of borders, with slender, fairy-like spikes of richly colored flowers; most striking in the garden and light and graceful for cutting.

Sanguinea Hybrida Grandiflora—New large flowered hybrids, very fine. Per pkt. 25c

***HIBISCUS** (Rose Mallow)

Noble shrub-like plants, with handsome green foliage, bearing throughout summer large bright flowers, from 3 to 5 inches in diameter. Very hardy. Suitable for garden and indoor use when cut.

Golden Bowl—Deep cream, with a velvety maroon center. Pkt. 10c

Mixed Mallow Marvels—Grand assortment. Pkt. 10c

***HIERACIUM**

Villosum (Shaggy Hawkweed)—12 in. July. Plant is covered with a white silkiness effective for its large golden yellow flowers and silvery foliage, suitable for rock work. Per pkt. 15c

***HOLLYHOCK**

A hardy perennial of upright, stately growth, five to eight feet high. The very double varieties are the most desirable, but the newer, semi-double, fringed types are also very popular. Hollyhocks make a fine row in the garden, or a fine background next to a building or high wall or fence.

Allegheny—Mixed. The semi-double, fringed variety. An artistic and pretty sort. Pkt. 10c

Double Varieties—White, Maroon, Rose, Scarlet, Salmon, Yellow, Crimson, Blood-red. Each color, pkt. 10c

Newport Pink—The finest pure pink, exquisite shade. Pkt. 10c

Double Varieties, Mixed—Pkt. 5c.

HONESTY (See Lunaria)

HYACINTH, Bean (See Dolichos)

IBERIS (See Candytuft)

ICE PLANT

Mesembryanthemum Crystallinum—6 in. Foliage very ornamental, being covered with ice-like globules and prized for garnishing; a valuable plant for dry, sunny situations on banks, rockwork, old walls and ruins, etc., also for sunny borders. Pkt. 5c

***INCARVILLEA**

Grandiflora—Likes a sunny situation, spikes of elegant Gloxiniaeflora-like flowers. Finely cut foliage. Pkt. 10c

***INULA**

Ensifolia—9 in. July-Sept. Vigorous plant and a continuous bloomer with large yellow aster-like flowers and rather coarse foliage. Per pkt. 25c

IPOMOEA

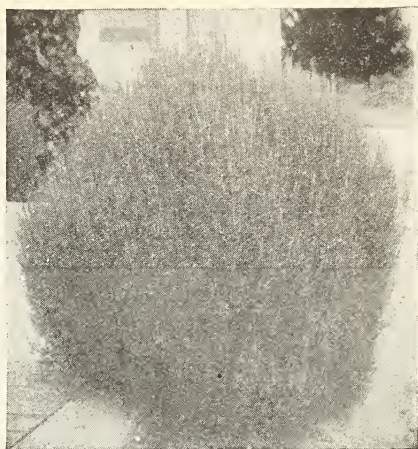
Beautiful rapid annual climbers. Foliage very dense, and in some kinds of remarkable shape. The flowers in their wide range of delicate coloring are poised on slender stems. Many of the sorts open only when the sun rises, others when the sun sets. Some are fragrant. Seeds should be soaked in warm water for 24 hours before sowing to assist rapid germination. The seeds about the size of a pea should be notched with a file before soaking.

Grandiflora Alba—(Moon Flower)—Large white blossoms, five to six inches across, which expand at night. Pkt. 10c

Sky Blue—(Moon Flower)—Of strong, vigorous growth, the plants quickly attain a height of twelve to fifteen feet. Pkt. 10c. Fine Mixture—Pkt. 5c

JOB'S TEARS—See "COIX"

Those Marked * are Perennials

**KOCHIA**

Kochia (Standing Cypress, or Belvedere)—An easily grown annual, which, sown thinly in spring, soon forms a cypress-like hedge of the most lively green and of perfect symmetry; by mid-summer it attains a height of about three feet, and on the approach of autumn the whole plant becomes a deep red. Pkt. 5c; ¼ oz. 25c

***KUDZU VINE** (Pueraria Thunbergiana)

A new climber of great merit. This vine is one of the most rapid climbers there is, growing to 20 feet quickly. Called also Jack-and-the-Bean-Stalk. Hardy perennial. Pkt. 10c; oz. 50c

LANTANA

Hybrida, Mixed—2 ft. Shrubby plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer. They have an agreeable aromatic perfume. Pkt. 10c

LARKSPURS

This is one of the best known garden flowers. A vast improvement has been effected, by careful selection and attentive cultivation, in size and color of the blossoms and the general habit of the plant. Hardy annuals. (For Perennial Larkspurs, see Delphinium.)

Los Angeles—Brilliant rose on salmon ground. This variety has the same habit as LaFrance and is highly recommended for florists' use. Pkt. 15c.

LA FRANCE

This is a Larkspur novelty of real merit. The La France is the most striking color of all and without question is the most outstanding novelty for 1931. The flowers are of a pleasing salmon-pink. The large well-formed double flowers are well placed on the long stems to set off its attractions. La France Larkspur presents a beautiful appearance, which has won nothing but praise from all who have had the pleasure of seeing it in bloom. We believe that this will be the most popular annual. Per pkt. 10c

TALL DOUBLE STOCK FLOWERED LARKSPUR

The following are the best varieties:

Bright Rose—Pkt. 5c.	Flesh—Pkt. 5c.
Dark Blue—Pkt. 5c.	Lilac—Pkt. 5c.
Delicate Lavender—Pkt. 5c.	Scarlet Rose—Pkt. 5c.
Rose—Pkt. 5c.	White—Pkt. 5c.

Special Mixture—Annual Larkspurs. A charming mixture containing all the bright and delicate shades, makes wonderful cut flower material and should be planted generously. Pkt. 5c.

***LATHYRUS LATIFOLIUS**

(Hardy Pea)

Very decorative climbing vines of the Pea family, for growing on fences, trellis, etc., as floral screens and for cutting. Blooms all summer.

Pink Beauty—Pale pink variety. Pkt. 10c.

Rubra—Bright rosy crimson. Pkt. 10c.

White Pearl—Large-flowering white. Pkt. 10c.

Mixed—The above colors. Pkt. 10c.

LAVATERA

The Lavateras or Annual Mallows are showy and effective plants covered during the entire summer with bloom. For large borders and cutting they are very desirable.

Splendens Alba—Very large, silky, pure white flowers. Pkt. 10c.

Splendens Rosea—Very large, bright rose flowers. Pkt. 10c.

Splendens Mixed—Pkt. 5c.

LEPTOSIPHON

French Hybrids—Free flowering hardy annuals useful for edging and rockwork. Plants are thickly studded with charming bright flowers of various colors. Pkt. 10c

LEPTOSYNE

Stillmani—1½ ft. One of the quickest annuals, blooming within five weeks from date of sowing, and the golden-yellow flowers continue in perfection for a long period. Excellent for cutting. Pkt. 10c

Maritima—3 ft. Large lemon-yellow Marguerite-like flowers on long stalks. Pkt. 10c

LILY SEED

The seed can be sown in flats at any time giving the same treatment as Tomato seed, and lined outside in rows about four inches apart as soon as the weather permits. These will do well in any soil with good drainage and will give you blooming size bulbs the second year. Try a package. The results will please you.

Lilium Auratum—Pkt. 25c. 6 pkts. for \$1.00

Lilium Cordifolium—Pkt. 25c.

Lilium Elegans—Pkt. 25c.

Lilium Japonicum—Pkt. 25c.

Lilium Platyphyllum—Pkt. 25c.

Lilium Regale—Pkt. 25c.

Lilium Seed Mixture—Pkt. 25c.

Lilium Tenuifolium—Pkt. 25c.

Lilium Washingtonianum—Pkt. 25c.

Lily Bulbs—See Page 72.

LILY SEED MIXED

Lilies can be grown from seeds, with very little care and some of them will bloom the second season. To those that are not particular as to varieties, we have made a mixture of all the varieties we list and a few more of which we had only a small quantity of seed. These are yours as long as they last at 25c per package.

*LINARIA (Toad Flax)

Showy free-flowering plants of a trailing habit. Good for borders, window boxes or rockeries.

Cymbalaria (Kenilworth Ivy)—3 in. Dainty lilac and orange; flowers throughout summer; trailing habit. Per pkt. 10c

LINUM

Grandiflorum Rubrum (Crimson Flax)—2 ft. One of the most brilliantly colored of summer annuals, flowers glowing crimson-rose. Very beautiful in beds and borders, and may be had in bloom from May to October by successive sowings. Pkt. 5c

***Perenne Blue**—May-Aug. 2 ft. Has dainty sky-blue flowers on graceful arching stems. Blooms short lived but are produced continuously in such profusion it creates the effect of blue sheen over the plant. Per pkt. 10c

LOBELIA

A hardy annual and hardy perennial. The annual grows four to six inches high, is of compact growth, and literally covered with small bright flowers. By cutting back the plants during the summer and giving plenty of water, they may be kept in flower all summer. Used for ribbon work and borders or hanging baskets.

Crystal Palace Compacta—Rich, deep blue; dark foliage; the finest dark blue for bedding. Pkt. 10c; ¼ oz. 50c

The following variety is especially effective in hanging baskets or window boxes, where a long drooping effect is desired.

Speciosa—True dark blue, dark foliage. Pkt. 10c.

Sapphire—Large, deep blue flowers, with a pure white eye which occupies one-third of the corolla. Pkt. 15c

Love in the Mist—See *Nigella*.

LUNARIA

Annua (Biennis) (Honesty or St. Peter's Penny)—Flowers purple, followed by silvery seed pods, prized for winter decoration. Annual but readily self-sows. Per pkt. 10c

LUPINUS

Tall Annual Varieties Mixed—2 ft. Ornamental, free flowering, easily grown, with long graceful spikes of rich and variously colored pea-shaped flowers; valuable for mixed flower borders and beds. Pkt. 5c; oz. 20c

Dwarf Annual Varieties Mixed. 1 ft. Pkt. 5c; 1 oz. 20c

*LUPIN (Perennial)

Most beautiful hardy border plants producing tufts of soft green foliage, from which arise in continuous succession the stately spikes of bloom.

Polyphyllus (Old-fashioned Garden Lupin)—Blue. 3 ft. Stately spikes of blue, flowers all summer. Pkt. 10c

Albus—Large pure white spikes. Pkt. 10c.

Roseus—4 ft. Light and dark rose flowers on long stem; fine for cutting. Pkt. 10c

Mixed—Splendid value. Pkt. 10c.

*LYCHNIS

Alpina—Close tufts, olive green foliage, clusters of rose colored flowers. Pkt. 20c

MALOPE (Mallow-Wort)

Showy plants for large mixed flower and shrubbery borders. The flowers are large and handsome.

Grandiflora Mixed—Pkt. 10c.

MALLOW (See Lavatera)

MARIGOLD

A hardy annual, shrubby plant, in dwarf and tall varieties, growing from six inches to three feet high. Foliage bright green, deeply cut, and graceful. The flowers are various shades of yellow and brown. The tall varieties are very valuable for large bedding or background work, and the dwarf varieties for borders.

AFRICAN MARIGOLDS

El Dorado—Large double imbricated flowers in all shades of yellow; 3 ft. Pkt. 5c

Lemon Ball—A counterpart of Orange Ball, except in color, which is a soft lemon-yellow. Pkt. 5c

Orange Ball—Large, perfect double-quilled flowers, of a rich deep golden-orange color; the finest of all and very showy. Pkt. 5c

Finest Mixed—Pkt. 5c.

DWARF DOUBLE AFRICAN MARIGOLDS

Few annuals are as effective as the French Marigolds or flower for so long a period; they all form dense bushes not over 12 inches high, and are unequalled for borders or beds.

Dwarf Orange Ball—A splendid pure golden yellow, flowers of good size and makes a very effective golden line or bed. Pkt. 5c

Dwarf Lemon Ball—Similar to the above except in color, which is a light lemon-yellow. Pkt. 5c

Dwarf Finest Mixed—Pkt. 5c.

FRENCH TALL DOUBLE

Finest Mixed—Pkt. 5c.

DWARF FRENCH VARIETIES DOUBLE

Dwarf Dark Brown—Beautiful reddish brown. Pkt. 5c

Dwarf Legion of Honor—Brown, spotted yellow. Pkt. 5c

Robert Beist—Dark Brown and Orange. Pkt. 5c.

Finest Mixed—Pkt. 5c.

DWARF SINGLE FRENCH MARIGOLD

Fire Cross—Red and yellow. Pkt. 5c.

Legion of Honor (Little Brownie)—A single-flowering Marigold, forming compact bushes 9 inches high. Begins flowering early, commencing in June, continuing until frost. The flowers are golden yellow, marked with a large spot of velvety crimson at the base of each petal. Pkt. 5c

Finest Mixed—Pkt. 5c.

MARVEL OF PERU (See Four o'Clock)

MATTHIOLA

Bicornis (Evening-scented Stock)—15 in. The flowers in the morning, evening and after a shower emit a delicious perfume perceptible at a considerable distance. Pkt. 10c

MATRICARIA

Capensis Fl. Pl. (Feverfew)—3 ft. Neat, small, double white quilled flowers, well adapted for bedding and cutting. They are perennials in mild climate. Pkt. 10c

Eximeia, Golden Ball—1 ft. Of compact habit, suitable for edging, with very striking double yellow flowers. Pkt. 10c

Those marked * are Perennials

MIGNONETTE (Reseda)

A well-known fragrant favorite, and no garden is complete without a bed of Mignonette; sowings made in April and again in July will keep up a succession from early summer until frost; can also be grown in pots for winter and early spring flowering.

Sweet-Scented (Reseda Odorata)—The old-fashioned variety with small spikes, but the most sweetly scented of all. Pkt. 5c; oz. 15c

Machet—Adapted for pot culture; dwarf pyramidal growth, bearing numerous flower stalks; highly colored and very fragrant. Pkt. 10c; ¼ oz. 25c; oz. 75c

Red Goliath—Of strong, yet compact habit, with rich green foliage; the giant trusses of flowers being borne on erect, strong, stiff stalks and surpassing all others in brilliancy of color; especially suited for house culture. Pkt. 10c

MINA

Lobata—12 ft. A climber of luxurious growth, with tube-shaped flowers; produced in greatest profusion. In color they are particularly attractive, the bud being first bright red, but changing through orange-yellow to creamy white when fully expanded. Pkt. 10c.

MOON FLOWER—See Ipomoea MORNING GLORY

Tall Morning Glories Mixed—A great variety of colors of the old-fashioned, popular, rapid-growing climber. Oz. 15c; pkt. 5c.

Dwarf Morning Glories Mixed—Hardy annual, one foot in height. Colors range from pure white to deep purple. Oz. 20c; pkt. 5c.

Imperialis (Japanese Morning Glory), Fine Mixed—The Japanese Morning Glory requires a warm situation to do well. The south side of a wall or building where the plants are protected from the north and west winds will mostly be found beneficial for these vines. ¼ lb. 55c; 1 oz. 25c; ½ oz. 15c; pkt. 10c.

Setosa (Brazilian Morning Glory)—A summer climber, making a dense shade. Flowers rose colored; three to four inches in diameter. Pkt. 5c.

NASTURTIUMS, Dwarf



Dwarf Nasturtiums Mixed—This splendid mixture contains all the named varieties and every color. No finer mixture can be made. They will produce enormous flowers on long stems, in a wonderful variety of colors. Pkt. 5c; oz. 10c; 2 oz. 15c; ¼ lb. 30c; lb. \$1.

DWARF NASTURTIUMS

Aurora—Bright chrome-yellow flowers attractively veined with purplish crimson. A profuse bloomer with strong, sturdy bushes carrying a magnificent display of large, well-rounded blooms. The foliage is rich green. Pkt. 5c; oz. 15c; 4 oz. 50c

Dwarf Beauty—The large, nearly-round flowers are a glowing shade of orange with scarlet markings. A most appealing variety which will make a fine show in the garden. Pkt. 5c; oz. 15c; ¼ lb. 50c.

Bronze Colored—Of a peculiar burnished bronze color. Per pkt. 5c; oz. 15c; ¼ lb. 50c.

Chameleon Dwarf—Flowers of most diversified coloring and many brilliant markings on a single plant. Per pkt. 5c; oz. 15c; ¼ lb. 50c

Cloth of Gold—The bright golden yellow leaves form compact plants above which the brilliant scarlet flowers stand out with a sharp but pleasing contrast. Pkt. 5c; oz. 15c; ¼ lb. 50c

Empress of India—This variety shows a fine contrast between the rich salmon-scarlet flowers and the deep purplish green leaves. One of the finest for borders or beds. Pkt. 5c; oz. 15c; ¼ lb. 50c.

Golden King—A very fine rich glowing orange-yellow which blends well with the dark purplish green foliage. Pkt. 5c; oz. 15c; ¼ lb. 50c

Golden Queen—Of finely rounded form, only six to eight inches high and with small light golden-green leaves. The flowers are self-colored in a rich tint of orange-yellow, intensely glowing. Pkt. 5c; oz. 15c; ¼ lb. 50c

King of Tom Thumbs—Glowing pure scarlet flowers of large size and perfectly round shape. An excellent free bloomer. Pkt. 5c; oz. 15c; ¼ lb. 50c.

King Theodore—A fine variety with dark green foliage and rich velvety crimson flowers. Fine well-rounded bushes. Pkt. 5c; oz. 15c; ¼ lb. 50c.

Spotted King or Lady Bird—Golden yellow, barred crimson. Pkt. 5c; oz. 15c; ¼ lb. 50c.

Vesuvius—The flowers are large; of fine form. The petals are salmon-rose, heavily veined with salmon-orange. Pkt. 5c; oz. 15c; ¼ lb. 50c.

DWARF "IVY-LEAVED"

All Colors in Mixture—This mixture, like the Tall Ivy Leaved Mixture, contains a most remarkable range of colors. There are colors and color combinations that are not found in any other strain of Nasturtiums. It is indeed a glorious mixture! Every one who grows Nasturtiums should plant at least a packet of the seed, in order to become acquainted with this grand new type. Pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$2.00, postpaid.

THREE GOOD BOOKS

1001 Garden Questions Answered. By Prof. Alfred C. Hottes. Everyone should have a copy of this book for quick reference to the solution of troubles experienced in the flower, vegetable and fruit gardens. 320 pages; copiously illustrated. Paper cover, \$1.50; cloth cover, \$2.00.

Practical Plant Propagation. By Prof. Alfred C. Hottes. Describes the various modes of propagating indoor and outdoor plants, trees, shrubs and herbaceous perennials. 224 pages; 75 illustrations. \$2.00.

Practical Landscape Gardening. By Robt. B. Cridland. Takes up all the elements that enter into the beautifying of properties. There are stacks of books on landscape gardening, but we much doubt whether any of them are as clear and concise as this popular volume. 280 pages, 91 halftone illustrations, 67 sketches and 73 plans. \$2.50.

TALL OR TRAILING NASTURTIUMS



**TALL
MIXED COLORS**

NASTURTIUMS, TALL OR TRAILING

These are all of strong, vigorous growth, throwing out running shoots that can be trained upon strings or wires, or can be readily made to climb ordinary paling fences or wire netting. They are very showy, also, planted at the top of a steep slope and allowed to run down the bank.

BUTZER'S ROSE CITY MIXTURE OF TALL NASTURTIUMS

This mixture is absolutely unequalled; nothing better to be had anywhere. In it will be found all the choicest colors of tall Nasturtiums, of all the new shades, as well as the standard sorts. Pkt. 5c; oz. 10c; 2 oz. 15c; ¼ lb. 30c; lb. \$1.00.

TALL IVY-LEAVED NASTURTIUMS

The plants are of running growth, with star-like pointed leaves of rich green, veined with white, so that the young shoots, where the leaves are set closely together have a marked resemblance to the foliage of the hardy English Ivy. The flowers are of medium size and of most distinct form. The petals are quite narrow, and standing well apart from each other, present a striking star-like appearance. Many colors mixed. Pkt. 10c; oz. 20c; ¼ lb. 60c.

NEMESIA—1 foot

Free-blooming dwarf bushes for pot culture and open borders. Sow in spring under glass, and transplant; or sow out of doors in May, in patches where they are intended to flower.

Large Flowered Mixed—1 ft. It is the finest strain of the most popular flower, both for size and massive build of the individual flowers, also for the richness and variety of colors. Pkt. 10c.

Brilliant—Bright scarlet flowers held above the dark green leaves. A very showy flower of large size and heavy substance. Pkt. 5c; oz. 15c; ¼ lb. 50c.

Butterfly—The color is a light lemon-yellow, marked on the three broad lower petals with a blotch of rich terra cotta red. The two upper petals are marked in shades of bright red. Pkt. 5c; oz. 15c; ¼ lb. 50c.

Cameleon (Tall)—Not only are the flowers of various colors produced on the same plant, but these flowers are variously splashed and bordered. On the same plant are found self-colored flowers, some curiously stained, while others are banded with light or dark shades. Pkt. 5c; oz. 15c; ¼ lb. 35c; per lb. \$1.20.

Cloth of Gold—This fine variety is outstanding because of the contrast of the velvety maroon flowers against the golden yellow foliage. Pkt. 5c; oz. 15c; ¼ lb. 50c.

Firefly—Bright yellow, spotted cardinal red, calyx and spur ruby. Pkt. 5c; oz. 15c; ¼ lb. 50c.

King of the Blacks—Dark mahogany-red blooms and deep bluish green foliage. A strong grower and very free bloomer. Pkt. 5c; oz. 15c; ¼ lb. 50c.

Moonlight—Exquisite light straw-yellow flowers of unusual size borne in great profusion. Pkt. 5c; oz. 15c; ¼ lb. 50c.

Sunlight—The flowers, of largest size, are most beautifully colored—clear, rich, golden yellow. Individual flowers measure nearly three inches across, and are produced most profusely. Pkt. 5c; oz. 15c; ¼ lb. 50c.

Scarlet—The flowers are of magnificent size and of compact, rounded form. The color of the flowers is a magnificent bright scarlet. Pkt. 5c; oz. 15c; ¼ lb. 50c.

Twilight—The flowers are extra large and most pleasing in color, having a faint salmon or buff tint, heavily suffused with rosy salmon. Pkt. 5c; oz. 15c; ¼ lb. 50c.

NEMOPHILA (Baby Eyes)—6 inches

Hardest of annuals, and of the easiest culture. Makes a very effective front row to a bed or border, and should be sown out-of-doors in spring, in patches, where they are to flower.

Insignis Mixed, all colors—Cup-shaped flowers in many bright colors, the blue shades being particularly attractive. Pkt. 10c.

NEPETA

These little plants give clouds of bright blue flowers all summer. Makes a fine permanent edging and an excellent rock plant.

Mussini—May-September. Light blue. 1 ft. Pkt. 10c.

NICOTIANA (Sweet Scented Tobacco Plant) 2 ft.

One of the easiest annuals to raise and one of the most effective. The blossoms in shape are not unlike a Petunia blossom, but with a longer tube. The flowers open toward evening and emit a powerful perfume.

Nicotiana Affinis Hybrids—Mixed Colors. Pkt. 10c.

Affinis—The popular free-flowering variety; fragrant star-shaped white flowers; annual, 3 feet high. Pkt. 5c.

NIEREMBERGIA

Gracilis—6 in. Flowers white, shading to and veined lavender, an exceedingly graceful plant for hanging baskets, rockwork, etc. Pkt. 10c.

NIGELLA

(Love in a Mist, or Devil in the Bush)—A compact free flowering plant, with finely cut foliage, curious-looking flowers and seed pods; of easy culture, growing in any garden soil; hardy annuals; blue and mixed; one foot.

Mixed—Pkt. 5c.

Double Blue—Pkt. 5c.

Double White—Pkt. 5c.

Double Purple—Pkt. 5c.

***OENOTHERA**

These open their flowers in the evening and one can enjoy a thrill in his garden if he will sit for 15 minutes at twilight and watch the Evening Primroses (*Oenothera*) drop their calyx and unfold their petals. We have had a plant in our garden. The buds are closed when we start the hose going, but before we get through, presto! a wealth of large golden blooms greets us and bids us "good-night."

Lamarackiana Evening Primrose, Mixed— $\frac{1}{2}$ to 2 ft. Neat plants, with large, saucer-shaped flowers, white or golden-yellow; open at dusk; emit a delightful perfume. Pkt. 10c

Missouriensis (Macrocarpa)—1 ft. Long trailing stems with large yellow flowers. Per pkt. 10c



Pansies with their alluring little faces are among the most popular of all the Spring flowers, and are to be found in practically every garden, for they have such a charm and fill so many nooks, here and there, as well as being most effective when planted with Forget-Me-Nots as a border in large beds. Of course, everyone wants those extra large flowers with the particularly handsome colors.

Our strains are procured from the most experienced foreign and domestic, and the seed we offer is the equal of any on the market. The flowers will be found unsurpassed for size and form, beautiful markings, brilliancy of colors and shadings. If seed is sown indoors from February to April Pansies will begin to bloom from July on. Seed sown in May will flower during late Summer and Autumn. For early Spring flowers sow in September and October and protect the young plants either in coldframes or with straw or boughs. Soil best suited is light, well fertilized and supplied with plenty of moisture.

BUTZER'S ROSE CITY GIANTS

The plants distinguish themselves by their robust growth, and form compact bushes of round shape, with strikingly large, healthy looking foliage.

The imposing five-spotted flowers which on long, vigorous stalks surmount the foliage in the most graceful manner, are of enormous size, perfectly round form, original structure and unusual substance. The individual petals are exceedingly broad and cover each other in such a manner as to make the flowers appear almost double. With most of the flowers the border of every petal being conspicuously undulated and curled, which grants the flowers a striking and very peculiar appearance, entirely new to this class of plants.

The beauty, brilliancy and richness of color being the most striking; also very rare and new tones of red and brown are met with in these flowers. Pkt. 25c.

BUTZER'S GIANT PANSIES**BUTZER'S GIANT MIXED**

An imported mixture of fine types, including a large variety of splendid colors. Pkt. 10c

BUTZER'S MAMMOTH FIVE BLOTCHED

from named varieties. The immense flowers of this class, resembling Cassier's but being of almost double the size, full round form and comprising the most magnificent colors. Pkt. 10c

BUGNOT'S GIANT SPOTTED

Very large and magnificently colored, extra fine quality. Pkt. 10c

CASSIER'S SUPERB STRAIN

Very large, well-formed, beautifully blotched flowers in the greatest variety of colors, extra fine. Pkt. 10c

SWISS GIANTS

A truly magnificent new strain of Giant Pansies, more beautiful than any others we have ever seen. It produces well rounded, compact plants which are literally covered with immense, heavy blooms of remarkable substance and texture. The range of color is simply remarkable and by far the majority of plants bear heavily ruffled and crinkled blooms, carried on long stiff stems. Pkt. 25c.

AUREOLA

The lower three petals of rose, carmine or purple-red ground-color, with very effective large dark-spots; the upper two petals of lighter coloring, whitish to yellow, with rose to dark red border; a charming mixture of colors. Pkt. 10c.

Mastodon—Huge in size, marvelous in form and including many new and unique shades, with many variations in each. Pkt. 15c.

Masterpiece (Frisled Pansy)—A remarkable type, each petal being conspicuously curled and waved. The range of color is very extensive, the rich, dark, velvety shades predominating. Pkt. 15c.

PANSIES IN SEPARATE COLORS

Adonis—Light blue, baby blue and lavender shades. Pkt. 10c.

Black—Nearly all jet black. Pkt. 10c.

Bronze—Very large. All the different shades from burnished brass to gold. Pkt. 10c.

Grand Duke Michel—The largest all-white pansy. Pkt. 10c.

Improved Beaconsfield—New. A fine bluish purple with a distinct lavender tinge on the upper part of the upper petals. Pkt. 15c.

Improved Isabelle—A superb ruffled bronze and yellow. Long stems. Very large. Pkt. 15c.

Improved Volcano—A rich, velvety Burgundy red of immense size. Pkt. 15c.

Madame Steele—Elk's purple; immense blooms; a perfect self. Pkt. 10c.

Madame Perrett—With edges of petals frilled—bordered white; colors, wine, pink and red. Pkt. 10c.

Mlle. Irene—A shade entirely new to pansies. A henna red. Pkt. 15c.

Panama Pacific—A large yellow; some with dark centers, some without. Pkt. 10c.

Parisian Yellow—A pure yellow. Pkt. 10c.

Prince Henry—A splendid dark blue. Pkt. 10c.

Steele's Golden Gate—A monster Golden Yellow. Pkt. 15c.

Striata—Beautifully striped in true sunburst fashion. Pkt. 15c.

White (dark center)—The largest pansies we have ever seen. Pkt. 10c.

You Can Select 3-10c packages for.....25c
Select 2-15c packages for.....25c
Select 8-10c packages for.....50c
Select 6-15c packages for.....50c

PANSIES IN SEPARATE COLORS

Azure Blue, Sky Blue—Pkt. 10c.

Beaconsfield—Lavender, heliotrope and purple. Pkt. 10c

Peacock—Blue with white edge. Pkt. 10c.

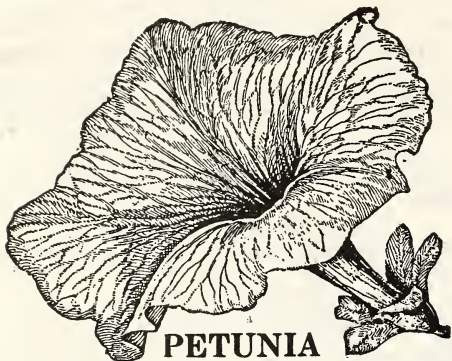
Snow Queen—Pure white. Pkt. 10c.

Victoria—Nearly scarlet. Pkt. 10c.

Trimardeaux—Mixed pkt. 10c.

PENTSTEMON

Flowers resemble gloxinias in shape; mottled in crimson, pink, blue and white. Mixed. All varieties. Pkt. 5c



PETUNIA

The Petunia is without a peer among annuals for effective summer bedding or indoor culture. They are of easy culture, early to bloom and continue throughout the summer until the first killing frost. No other flower produces a great diversity of color, retaining their freshness for so long a period. The doubles may be perpetuated, if desired, by taking cuttings late in the summer, for winter house blooming plants. Provide good soil and a sunny location.

GIANTS OF CALIFORNIA, MIXED

The flowers are very large and the colors embrace every conceivable shade of crimson, white, violet, lavender, etc. Pkt. 15c

ROSY MORN

Of compact growth, literally covered with flowers one and one-half inches in diameter. The throat is silvery white, while the edge is heavily flushed with soft rose-pink. Pkt. 10c

FINE MIXED SINGLE VARIETIES

Fine Mixed—Excellent for bedding; many colors; ¼ oz. 50c; pkt. 10c.

Hybrida Single Red. Pkt. 10c.

Hybrida Single White. Pkt. 10c.

DOUBLE PETUNIAS

Our Double Petunias are selected with the greatest of care and contain the largest percentage of double flowers possible.

Giant Double Fringed Mixed. Per pkt. 25c.

BALCONY PETUNIAS

A splendid large and free flowering type either for window boxes, vases, hanging baskets, etc., the flowers average 3 inches across and make a very effective display over a long season.

Balcony Blue—Velvety Indigo blue.

Balcony Rose—Brilliant rose-pink; very effective.

Balcony Red.

Balcony White—The pure white form.

Balcony Crimson—Rich velvety crimson.

Balcony Mixed—All colors.

Choice of above, per pkt. 10c

PHACELIA

Campanularia—8 in. A very beautiful annual, producing a terminal raceme of intense gentian-blue flowers with conspicuous white anthers; very effective for edgings, etc., and a charming pot plant. One of the earliest annuals to bloom and flowers last in perfection a long time. Pkt. 15c

BUTZER'S

ANNUAL-FLOWER MIXTURE

A splendid mixture of the true annual flowers so blended as to give a succession of bloom from early spring to late fall. All colors may be found in this mixture. For best results the seed should be sown in a prepared seed bed.

If you have a piece of ground you cannot irrigate or have not time to give particular attention, yet you want to have something beautiful instead of unsightly weeds, we advise you to plant our Annual Flower mixture. It contains a large number of different kinds of hardy varieties that will grow with the least of care, and, produce great quantities of flowers.

Pkt. 15c; 2 for 25c; oz. 50c, postpaid

PHLOX DRUMMONDI

The annual Phlox is a native of Texas, and is known as "Texan Pride." It occupies a first place as a garden annual, being one of the most brilliant and at the same time one of the easiest and most satisfactory plants which can readily be grown from seed. It will grow and thrive in any kind of soil if given a sunny position, but prefers a light, rich loam. Seed may be sown in the open ground any time after danger from frost is past, and in a few weeks they are a sheet of bloom, remaining so until frost. They may be used in a variety of ways, such as a carpet to beds of Roses, in boxes, vases, etc.; but it is when grown in masses, in beds or borders, that they show to best advantage.

Crimson—Pkt. 10c.

Flesh—Pkt. 10c.

Lilac—Pkt. 10c.

Primrose—Pkt. 10c.

White—Pkt. 10c.

Rose—Pkt. 10c.

Scarlet—Pkt. 10c.

Violet with white eye—Pkt. 10c.

Finest Mixed—It is composed of the finest and most distinct varieties and will give a most varied assortment of brilliant colors. The trusses are large, well rounded, and closely formed, and the individual florets are of the largest size, firm substance, and most distinct and brilliant colorings.

Pkt. 10c; ¼ oz. 50c; oz. \$1.50

Star Phlox (Star of Quedlinburg)—Of dwarf habit with very pretty star-shaped flowers. A novel and beautiful variety. Mixed colors. Pkt. 10c

*PHLOX (Hardy)

(Decussata.) Perennial varieties mixed from a celebrated collection. Seed slow in germination and may not sprout in a year. Pkt. 10c

PHYSALIS

Franchetti (Chinese Lantern Plant)—1½ ft. Flowers yellow with dark center. Produces balloon-like husks, which turn bright red when ripe and resemble Chinese lanterns. Per pkt. 10c

PLATYCODON (Chinese Bell Flower or Balloon Flower)

Very handsome border plants of the Campanula family, the flowers in bud having the appearance of inflated balloons; they flower from June to September.

Grandiflorum—1-2 ft. Large, handsome, deep blue flowers. Per pkt. 10c

PINKS OR DIANTHUS

A magnificent genus, embracing some of the most popular flowers in cultivation, producing a great variety of brilliant colors and profusion of bloom. The varieties classed as annuals are really biennials, but are treated as annuals and may be sown out of doors when the danger from frost is past, and in a few weeks' time they are a mass of bloom, continuing so until after hard frost. As a rule, they survive the winter if given slight protection, flowering abundantly the following season. They grow about a foot high, and can be used in beds or borders of solid or mixed colors. The double flowering sorts are almost as fine as carnations for cutting. They are not particular as to soil, but should have a sunny location.

Double China (D. Chinesia fl. pl.)—Small, double flowers, borne in large clusters, of many colors, mostly with white edge. Pkt. 5c; ¼ oz. 15c

Heddewig's Double (D. Heddewigi fl. pl.)—Japan Pinks. Very large double flowers of a wide range of color, running from white and light pink through shades of red to rich, velvety crimson and deep maroon almost black. Pkt. 5c; ¼ oz. 25c

Single Mixed—Large single flowers, of rich and varied colorings. Pkt. 5c; ¼ oz. 20c

Double Japan Mixed (Chinensis laciniatus)—The flowers are rich in hue; very double, deep fringed petals. Colors vary from white to rose, lilac, carmine, crimson scarlet, purple, brown and almost black, spotted and striped. Pkt. 10c

All varieties mixed, Pkt. 5c.

Those Marked * are Perennials

***PINKS (Hardy)**

These very desirable sweet-scented, low-growing, early-blooming and free-flowering Hardy Garden Pinks are unequalled for the borders of beds, drives, and the old-fashioned garden and should be planted in quantity in any good garden soil with full sun and an open situation.

Allwoodii—A new race of hardy plants belonging to the Dianthus family. It makes an ideal pot plant. The flowers are about 75 per cent double and appear in all colors except yellow. The single flowers are quite as handsome as the double and have the advantage of making larger clusters. It is exceptionally hardy, commencing to flower in early spring and continuing through summer and fall. Pkt. (25 seeds) 50c

Caesius (Cliff Pink)—Flowers delicate rose color, fragrant, 1 ft. or less. Seeds, per pkt. 25c

Deltoides (Maiden Pink)—6 in. Beautiful little plant with narrow leaves, with a profusion of small flowers during July and August. Per pkt. 25c

***HARDY PERENNIALS or CLOVE PINKS**

Hardy Perennials, or Clove Pinks (Plumarius)—Scotch or Grass Pink. When treated like an annual, if seed is sown in March, the plants will bloom the first year. The delicately fringed, variously colored flowers are fragrant, attractive and fine for bouquets. Pkt. 10c

***PERENNIAL VARIETIES POPPIES**

Perennial poppies do best in rows one and one-half feet apart and one foot apart in the row. Seed may be sown outdoors either in spring or fall.

Alpine Mixed—6 in. A charming miniature poppy with brilliantly colored flowers including white, pink, apricot, yellow or orange-scarlet, etc. Useful for rock-work. Per pkt. 35c

Oriental Hybrid Mixed—A choice mixture of Oriental Poppies in shades of white, salmon, orange, scarlet and crimson. Per pkt. 10c

Scarlet—Pkt. 10c

We do not furnish seed of the opium poppy.
Nudicaule (Ice land Poppy)—15 in. Mixed. Elegant free flowering plants bearing flowers in abundance all summer. Pkt. 10c

Nudicaule Yellow, Orange, White—Any color. Mixed, pkt. 10c

SINGLE ANNUAL POPPIES

Eldorado Salmon Shades—The introducer made a selection of these most popular shades and these will especially appeal to those admiring pastel shades in flowers. Pkt. 10c

Eldorado Pink Shades—Pkt. 10c.

Eldorado Mixed—The flowers are large, single, semi-double and double, and contain magnificent shades of soft salmon, orange, orange-scarlet, pink, rose and white, without any dark markings whatever. The substance of the petals in some of the lighter shades is as delicate as China silk. Pkt. 10c

Flanders Poppy—Vivid scarlet-red. This flower has in the minds of men been associated for over two hundred years with the battlefields of Flanders. Was the first official flower of the American Legion. Pkt. 10c; ½ oz. 35c; 1 oz. 60c; ¼ lb. \$2.00

Glaucum—Large tulip-shaped flowers of dazzling scarlet; not unlike a Scarlet von Thol Tulip. Pkt. 10c

DOUBLE ANNUAL POPPIES

American Flag—Flowers very large, snow white, scarlet bordered. Pkt. 5c

Double Cherry Red—Pkt. 5c.

Double Heliotrope—Pkt. 5c.

Mikado (The Striped Japanese Poppy)—This beautiful Poppy is very distinct in character and color. The flowers are brilliant scarlet and white, with elegantly curved petals, like a Japanese Chrysanthemum. Pkt. 5c

Salmon Pink—Pkt. 5c.

Cardinal—A splendid dwarf variety of the carnation-flowered type, growing about two feet high and bearing large globular, fringed flowers of an intense cardinal red. Pkt. 5c

Shell-pink—Similar in every way to Cardinal and White Swan, except color, which is a soft sea-shell or chamois-pink. Very dainty. Pkt. 5c

White Swan—Immense double flowers, beautifully fringed and of purest white, of the same dwarf habit as Cardinal and Shell-pink. Pkt. 5c

Double Carnation-Flowered, Mixed—Of dazzling richness and in a great variety of colors. A remarkably pretty Poppy. Pkt. 5c; oz. 35c

POPPIES—SHIRLEY

Shirley Poppies—Silk or Ghost; have beautiful satiny flowers of various colors, all with white centers, which make the plants very attractive. Foliage is hairy and finely cut.

American Legion—Brilliant orange scarlet. Pkt. 5c

Blue Shirley—Various shades of blue. Pkt. 10c.

Rose Shirley—Shades of rose and pink. Pkt. 10c.

White Shirley—Pure white. Pkt. 10c.

Shirley Mixed—Beautiful shades in delicate shades of rose, apricot, salmon-pink, and blush to growing crimson with a sprinkling of blues. Pkt. 10c; oz. 30c

BUTZER'S SPECIAL POPPY MIXTURE

Double and Single—Comprises not only all the Double and Single Poppies described, but also a number of other sorts specially purchased for this mixture, including some entirely new ones. Will make a grand display. Pkt. 10c; ½ oz. 20c; oz. 30c

PORTULACA—Rose Moss

Will grow and bloom abundantly all summer in a dry, hot location, where most other plants will soon die. The flowers are of the richest colors and make a beautiful border.

Culture for Portulaca—Sow in open ground when danger from frost is past. Cover the seeds to a depth of four times their size and press the surface firmly with a board. Water with fine spray. Thin out so that the plants will not become crowded. For early flowering sow in hot-bed or shallow boxes in the house in March; transferring to the open ground in May and June.

Single—Mixed colors. Pkt. 5c.

Double—Mixed colors. Pkt. 10c.

Double and Single—Mixed. Pkt. 5c.

***POTENTILLA (Cinquefoil)**

Potentillas greatly resemble the Strawberry plant, especially in the manner of growth and the foliage. This is a trailing plant which covers the ground rapidly and sends out roots as it goes along. The flowers are very showy, the colors are very bright.

Willmottium Flowers—Salmon pink, very freely produced. Pkt. 25c

***PRIMULA (Primrose)**

Exceedingly fine, free flowering plants for both bedding and greenhouse use, producing clusters of brilliant colored flowers indoors from November to May; hardy varieties continually in bloom.

Primula Malacoides (Baby Primrose)—This variety is extensively grown for winter blooming. The small lavender-pink flowers are borne in great profusion. Pkt. 15c; 2 pkts. for 25c

Primula Malacoides Mixed—Pkt. 15c, 2 for 25c.

Veris Polyanthus Mixed—An extra choice large flowered mixed strain. Pkt. 10c

Veris Acaulis Mixed—Pkt. 10c.

Vulgaris (English Primrose)—Canary yellow, fragrant. Pkt. 15c

Japonica Mixed—Several superimposed whorls of flowers on stems. 8-24 in. high. June. Per pkt. 15c

PYRETHRUM

Aureum (Golden Feather)—Dwarf plants with bright yellow foliage extensively used for edging; usually grown as an annual. Pkt. 5c; ¼ oz. 20c

Hybridum Double and Single Mixed—Large, daisy-like flowers ranging in colors from light pink to deep red; bloom in spring and fall; height 2 feet. Hardy perennial. Mixed. Pkt. 10c

Pyrethrum—White. Pkt. 10c.

Pyrethrum—Red. Pkt. 10c.

Those marked * are Perennials

REGAL LILIES SEED

(See Page 52)

RHODANTHE (Everlasting)

A charming annual; succeeds in a light rich soil and a warm sheltered situation; valuable for pot culture; flowers everlasting.

Maculata Alba—White. Pkt. 10c.

Maculata Rosea—Rose. Pkt. 10c.

Mixed—Pkt. 10c.



RICINUS

Castor Oil Bean (*Ricinus*)—This has large leaves and a tropical appearance. All it requires to flourish is heat. It is a quick growing annual, 6 to 15 feet tall. Leaves are green or reddish. Commercial castor beans are of a different variety.

Red Spire—The shapely, bushy plants attain a height of about 6 feet, with pretty palmate leaves of a bronzy green with prominent red ribs and veins, and producing through the summer and autumn numerous spikes of flowers or seedpods 9 to 18 inches long, of a brilliant rosy crimson; altogether a most effective semi-tropical plant, valuable alike for its foliage and flowers and like other *Ricinus*, absolutely insect-proof. As single specimens or in beds on the lawn for filling up a corner, or making a hedge or line, this is one of the most ornamental plants ever introduced.

Per pkt. 10c

Sanguineus—Tricolor. Has blood-red stalks and green leaves with red veins.

Pkt. 10c; oz. 25c

Zanzibarensis—Mixed. A very large leaved variety, deep green and bronze, growing 10 to 15 feet high.

Pkt. 10c; oz. 25c

Mixture of all varieties, pkt. 10c; oz. 20c.

*ROMNEYA

Coulteri (California Tree Poppy)—5 ft. Flowers all summer. Beautiful snowy white fragrant flowers.

Pkt. 15c

RUDBECKIA (Cone Flower)

Bicolor Superba—Fine free-flowering annual variety, growing about 2 feet high; forming a dense bush and producing in great abundance on long stems its bright flowers. The disc is brown, the florets golden-yellow, with large velvety-brown spots at the base; very effective and useful for cutting.

Pkt. 10c

Bicolor Superba—Semi-double. Pkt. 10c.

Purpurea (Giant Purple Cone-Flower)—A most interesting hardy perennial, producing all summer large, showy reddish-purple flowers, about 4 inches across; 3 feet.

Pkt. 15c

Those Marked * are Perennials



SALPIGLOSSIS (Painted Tongue)

These showy, half-hardy annuals bear beautiful funnel-shaped flowers having dark veins in a ground which varies from white to crimson, yellow, orange, etc., and intermediate shades. They are easily grown, require a light, rich, sandy loam and will respond to liberal treatment. Bloom from late summer until frost. 2 ft.

Crimson.

Dark Red.

Yellow.

Scarlet and Gold.

White and Gold.

Brown and Gold.

Crimson and Gold.

Purple and Gold.

Rose and Gold.

Price, any of above, pkt. 5c. each
Extra Fine Mixed—Flowers of many beautiful shades, finely veined or penciled. A choice mixture of large flowering varieties.

Pkt. 5c; oz. 80c

SALVIA

Salvia or Flowering Sage—A tender perennial blooming the first season from seed and growing two to three feet high. The blossoms are borne on long stems in racemes or spikes, and are fragrant. The plant forms a bunch and blooms profusely during the whole summer and fall.

America, or Globe of Fire—This is the freest and most continuous bloomer; also the most uniform in habit of growth, which makes it particularly valuable for bedding or planting in lines.

Per pkt. 25c

Salvia Splendens (Scarlet Sage)—One of the handsomest flowering plants we have for garden decorations. Excellent for filling large beds or borders in the garden; continuously in bloom from early August until the first killing frost. Beautiful scarlet; large flowering.

Pkt. 5c; ¼ oz. 50c

Clara Bedman (Fireball)—The plants form handsome globular bushes about two feet in diameter. The spikes grow upright and stand clear above the foliage, completely enveloping the plant, and are of a most brilliant dazzling scarlet.

Pkt. 10c

Zurich—A splendid dwarf variety, growing about 2 feet high, and is especially valuable on account of being the earliest to bloom, flowering ten days in advance of any other sort.

Pkt. 5c; ¾ oz. 75c

SANVITALIA

Procumbens Fl. Pl.—6 in. Sanvitalia flowers are much like tiny Zinnias, being golden yellow with very dark purple centers, some of them single and others double. The plants grow only six inches tall, or rather they are prostrate and spread over the soil instead of growing upward. They start blooming in June and continue until frost.

Pkt. 10c

*SAPONARIA

Ocymoides Splendens—6 in. A showy dwarf trailing plant, producing a sheet of vivid crimson flowers. June-August.

Per pkt. 10c

Vaccaria Multiflora Rosea—Pkt. 10c.

*SAXIFRAGA (Megasea)

These will thrive in any kind of soil and in any position; grow about 1 ft. high and are admirable for the border of shrubbery, forming masses of handsome, broad deep green foliage with pretty rose-pink flowers which appear very early in the spring.

Decipiens Grandiflora—Masses of white flowers. 18 in.

Seeds per pkt. 25c

Rhei Superba—Rose. 12 in. May-July. Seeds, pkt. 25c

SCABIOSA

(Mourning Bride, Sweet Scabious, Pin-cushion Flower, etc.)

These are firm favorites with many of our customers. Seed can be sown any time in the spring, after danger of frost is past. They grow about 2½ feet high, and come into bloom early in July, and continue without interruption until hard frost. The beautiful flowers in exquisite shades are borne on long stems, and when cut keep in perfect condition for the best part of a week. They make effective borders or beds, and no garden is complete without Scabiosas, especially where flowers are wanted for cutting.

Lavender.
Black Purple.
Cherry Red.
Yellow.
Mixed.

Fierly Scarlet
Flesh.
Rose.
Snowball.

Price, any of above, Pkt. 5c each

***SCABIOSA (Perennial)**

*Caucasica Alba.—White. Pkt. 10c.

Caucasica Lilac.—Pkt. 10c.

Caucasica Perfecta—Light blue flowers, long stem; fine for cutting. 18 in. June-October. Seeds, per pkt. 15c
Caucasica New Hybrids—A collection of new shades in this well-known perennial family. Per pkt. 25c

*Columbaria—This is a novelty from South Africa. There is a decided place for this in your Perennial list. It is hardy, low growing, with a fine light green foliage. Some of the flowers measure two and a half inches across, with short compact petals, borne on long slender but strong stems. We offer this in two colors, lavender and pink. Per pkt. 25c

SCHIZANTHUS

Butterfly or Fringe Flower

Very popular charming annuals, very decorative for garden beds and indispensable for pot plants for the house, where, by successive sowings, a continuous display may be enjoyed almost all the year around. The plants are compact, 1 to 1½ feet high, and their florescence is such as to completely obscure the foliage, making them veritable pyramids of dainty, airy, butterfly-like flowers. The seeds germinate very quickly and the plants come into bloom a few weeks from sowing.

Hybridus Grandiflorus—1 ft. (The Poor Man's Orchid.) Neat pyramidal bushes covered with a multitude of small butterfly-like flowers of the most brilliant and striking color designs. Pkt. 10c

Wisetonensis—1½ ft. A charming annual with graceful fern-like foliage and a profusion of flowers varying from almost white with yellow eye to a brilliant rose with bronzy brown center. A really beautiful subject for the flower border from seed raised in February, and for winter decoration in greenhouse from seed raised in May and June. Pkt. 10c

Mixed—All colors. Pkt. 5c; ¼ oz. 15c.

***SCUTELLARIA**

Celestina—Blue. Pretty Siberian rock plant.

***SIDALCEA**

Erect-growing, more or less branching plants, producing their showy flowers during June-July. They will succeed in any garden soil in a sunny position.

Rose Gem—2-3 ft. July-August. Beautiful rose-pink flowers. Very distinct. Per pkt. 15c

***SILENE (Catchfly)**

Useful plants for front row of herbaceous border, bearing quantities of bright flowers.

Schafta—4 in. July-October. Bright rose; one of the best Autumn border plants. Per pkt. 15c

SNAPDRAGON

(See Antirrhinum)

***SOLIDAGO (Golden Rod)**

Virgo-aurea Alpestris—Yellow. 10 in. Spring. Per pkt. 15c

Those marked * are Perennials

STACHYS

Lanata—1-1½ ft. Grown for the effect of its dwarf, white woolly foliage; the flower spikes should be removed. Per pkt. 10c

STATICE (Sea Lavender)

Our annual Statice is not only a beautiful flower in the border, but dries retaining its true colors, which are rare among everlasting, and have come to be indispensable in making winter bouquets.

Bonduellii—Producing numerous heads of bright yellow flowers. Pkt. 10c

Sinuata Blue—Pkt. 5c. Sinuata Lavender—Pkt. 5c.

Sinuata Rose—Pkt. 5c. Sinuata Mixed—Pkt. 5c.

Sinuata White—Pkt. 5c.

Yellow—Pkt. 5c.

Russian (Suworowii, or Rat Tail)—1 ft. Flowers bright rose color. Pkt. 10c.

***STATICE (Sea Lavender)**

They are stemless, the leaves springing direct from the root stock and the flower stems are more or less twiggy, bearing their small flowers in much-branched panicles. The flowers are useful for drying for winter use. They belong to the Thrift order.

Caspia—The multitude of small flowers composed in spikes of a height of 2 to 3 feet, are of a tender lilac color. Per pkt. 15c.

Latifolia—2 ft. Dense branching plumes of deep blue flowers. Per pkt. 10c.

Perezii—Bright blue. Pkt. 25c.

STEVIA

Serrata—2 ft. Free-blooming plants, bearing a multitude of fragrant pure white flowers; suitable for summer or winter blooming and cutting. Pkt. 10c

STOKESIA (Cornflower Aster)

Cyanea—This is not new, but is a rare and beautiful hardy perennial. The plant grows about 24 inches high, each bearing from 20 to 30 handsome lavender-blue cornflower-like blossoms; in bloom from July till frost. One of the choicest subjects for the hardy border and indispensable for cutting. Mixed, Pkt. 5c

STOCKS

Gilliflower—The Stock is one of the most popular annuals, either for bedding or pot culture; for brilliancy and diversity of color, fragrance, profusion and duration of bloom it is unsurpassed. Start the seed in February and March, and as soon as the plants have their second pair of leaves, prick out into shallow boxes and in about four weeks the plants will be ready to pot; from which they should be transferred to the open ground in May or June.

**IMPROVED LARGE FLOWERING
10 WEEK STOCKS**

Azure Blue.

Brilliant Blue.

Blood Red.

Dark Blue.

Mixed.

Flesh.

Rose.

White.

Yellow.

Price, any of above, pkt. 5c each

STOCKS

Giant Perfection "Cut and Come Again" 1½ ft.

Cut-and-Come-Again—Splendid perpetual-blooming class; sown in March or April they begin flowering in July, continuing till frost, and are especially valuable during September and October, when other flowers are scarce they throw out numerous side branches, all bearing very double, fragrant flowers.

Brilliant—Blood Red.

Creole—Canary Yellow.

Empress Augusta Victoria—Silvery Lilac Flesh.

Heatham Beauty—Rose Shaded Terra Cotta.

La France—Pale Blush.

May Queen—Pale Blue.

Princess Alice—White.

President Wilson—Violet Slate.

Queen of the Belgians—Pale Violet.

Rose—Rose Pink.

Sapphire—Violet.

Snowdrift Early—Pure White.

Finest Mixed.

Price, any of the above, 10c pkt., 3 for 25c

STIM-U-PLANT

An All the Year Fertilizer

STOCKS

Mammoth Early Branching Nice

This variety is now recognized as the most valuable of all Stocks for cutting purposes and the most popular for general use.

If sown early, they come into flower as early as Dwarf Ten Week varieties; the flowers are larger, and the branching habit renders them invaluable for florists.

ABUNDANCE—Carmine Rose.
ALMOND BLOSSOM—White Tinted Carmine.
APPLE BLOSSOM—White Tinted Pink.
AURORA—Chamois.
BEAUTY OF NICE—Delicate Flesh.
BELLE OF NAPLES—Old Rose.
BRIGHT VIOLET—Fine Rich Violet.
COTE D'AZURE—Light Blue.
CRIMSON KING—Brilliant Crimson.
GOLDEN SHEAF (new)—Chamois, Shaded Rose.
LILAC (new).

MADAME RIVOIRE—Earliest White.
MONT BLANC—Pure White.
PARMA VIOLET—Pale Violet.
QUEEN ALEXANDRA—Rosy Lilac.
ROSE QUEEN—Brilliant Deep Rose.
SALMON KING—Salmon Rose.
SOUVENIR DE MONACO—Crimson.
SUMMER NIGHT—Dark Blue.
WHITE OF NICE.
YELLOW OF NICE.
All Colors Mixed. Pkt. 10c.

Price, any of the above, 10c pkt., 3 for 25c.

GIANT SPENCER SWEET PEAS

The Spencers are of exceptionally large size, the standard and wings waved or frilled and the general effect remarkably graceful and attractive. The plants are of vigorous growth and remain in bloom for a longer time than the Grandiflora sorts. The Spencers are decidedly shy seeders, hence the price will doubtless always be higher than for the older types.

Culture. Early in spring make a trench three to four inches deep in rich, mellow soil, so arranged that no water can stand in it and plant the seed in the bottom, covering at first only one inch deep. Sweet Peas, particularly the white seeded sorts, are often a little difficult to start. If the soil is too dry they will remain a long time without germinating; if it is too wet and cold they will not sprout at all. In soils at all heavy, or composed largely of clay, put about one inch of sand in the bottom of the trench and sow the seed on this, covering with more sand. Cover the row with a board to shed the rain and protect the soil from the hot sun but remove this as soon as the young plants appear.

When the plants are two inches high, cultivate and as they grow gradually fill up the trench.

The blooms should be picked before they form pods or the plants will soon stop flowering.

BUTZER'S "ROSE CITY" Sweet Pea Collection, 25 cents

This Collection Contains One Package Each of the Following—All Giant Spencers

CREAM PINK

FLUFFY RUFFLES—A new type with large double and ruffled blooms of a most beautiful light cream pink color.

CREAM

DAFFODIL—A vigorous variety with exquisitely frilled and waved rich cream blooms.

SCARLET

HUNTSMAN—A bright shade of scarlet; really a wonderful bit of color. Perfectly sun-proof and of largest size. An outstanding English novelty.

ORANGE

COLORADO—A shade of orange that will please on account of its richness and brilliance of large well placed blooms.

PURPLE

OLYMPIA—A new variety of large blooms of a rich bright purple color. A strong grower.

LAVENDER

AUSTIN FREDERICK IMPROVED—The color is a pleasing shade of bright lavender.

25 cents for above Collection, Postpaid

BUTZER'S SUPERB SPENCER MIXTURE—All Waved or Spencer Varieties

This popular mixture is planted each year by thousands of our customers who like to have a showy row of Sweet Peas. This mixture contains the very best of the named Sweet Peas as well as some of the unnamed. We believe that it is the very best mixture that can be made, and we know that it will surely be a delight to you and also to your friends. All of the leading colors are represented.

Price per pkt. 5c; oz. 15c; 2-oz. 25c; 4-oz. 50c, Postpaid

For INOCULATION—See Page 88

SWEET PEAS GIANT SPENCER

Too many varieties of Sweet Peas. It has always been a puzzling question to small growers, who, desiring to grow only a limited number of sorts, with as great an assortment as possible, are sometimes rather disappointed because some of the varieties are so nearly alike.

It will be realized that exhibitors and other keen growers are influenced by delicate shadings of color, by difference in form, by the way the blooms are placed on the stem, and so forth. We, therefore, keep a sufficiently wide range of varieties to suit these tastes, and although, to the casual eye many of them are very much alike. We have made up our list of varieties, which, we believe, will answer all purposes.

PRICE: Per Pkt. 10c.
8 Pkts. your selection for 50c.
Per 1 oz. 25c. Postpaid.
 Sweet Pea Collection—See Page 60

WHITE

Giant White—A gigantic flower of exquisite form and pure color.

King White—Magnificent white; of perfect Spencer type; the immense petals, gracefully frilled, are a pure white of wonderful substance.

Model—An outstanding new black-seeded white Sweet Pea of magnificent proportions.

PICOTEE

Youth—This is an outstanding white-ground picotee variety. Large size, and free blooming.

CREAM

Daffodil—A vigorous variety with exquisitely frilled and waved rich cream blooms.

What Joy—A new cream variety of a rich deep Primrose-yellow shade.

BLUSH

Elegance—Delicate and beautiful in color, robust and free in growth and habit this charming Sweet Pea has become a general favorite with all growers.

Valentine—A variety of great merit. The plants make a strong, vigorous growth.

CREAM-PINK

Bridesmaid—This is a magnificent cream-pink variety of immense size and rich coloring.

Fluffy Ruffles—A remarkable new type with large double and ruffled blooms. The color is an exquisite light cream-pink.

Margaret Atlee—Rich glowing rose-pink on a cream ground, with a subtle suffusion of salmon and amber overlying the entire flower.

Mary Pickford—A very large flower. The color is a dainty and appealing cream-pink with a soft suffusion of salmon. Blooms very profusely.

Miss California—This exquisite California variety is a charming iridescent tone of cream-pink with a salmon and orange hue. Large attractive sprays.

LIGHT PINK

Elfrida Pearson—The color is a lovely pink, buds and flowers tinted with salmon-pink.

Daisybud—The color of the flowers is a harmonious combination of apple blossom tints with a suggestion of cream-pink.

DEEP PINK

Hawlmart Pink—The color is a most beautiful shade of rich rose-pink, deeply flushed and shaded with salmon.

Hercules—A flower of great substance and exquisite size, and beautifully waved. The color is a magnificent soft rose-pink self.

Pinkie—A very lovely clear deep pink, magnificent flowers.

ROSE

Brilliant—A lovely bright rose.

Sunset—A beautiful shade of soft rich rose with a distinct halo of luminous yellow towards the base.

LIGHT CERISE

Hawlmart Cerise—Glowing rose-cerise on cream ground. It is an excellent flower.

DEEP CERISE

Fiery Cross—The standard is a scorching fire-red or rich orange-scarlet.

Royal Scott—Of all brilliant shades there are none that surpass "Royal Scott." It does not fade or burn in the hottest sunshine.

SCARLET CERISE

Wonderful—A truly wonderful shade of real scarlet, keeping its bright luster long after cutting. Always carries four flowers to a stem.

ORANGE-SALMON

Barbara—A superb salmon-colored self that makes a telling bunch, either for exhibition or table decoration. Requires shading against strong sun.

Colorado—Here is a shade of orange that will appeal to many on account of its richness and brilliance. Large, well-placed blooms.

Gold Crest—A light orange tint with rich salmon cast. Truly a beautiful flower.

Helen Lewis—Orange-rose wings and intense rich crimson-orange standard. An old favorite.

Robert Sydenham—A magnificent glowing orange.

Tangerine—This is the last word in orange-colored Sweet Peas.

ORANGE-SCARLET

Gloriosa—This is an outstanding English variety with large, well-formed flowers of a bright and glowing orange-scarlet self.

The President—A brilliant orange-scarlet flower, always of largest size.

SCARLET

Huntsman—A bright shade of scarlet; really a wonderful bit of color. Perfectly sun-proof and of largest size. An outstanding English novelty.

Mrs. C. P. Tomlin—This is now a leader in the scarlet class. Remarkable for its richness and substance.

CRIMSON

Charity—The blooms are a rich brilliant crimson which does not burn in the sun.

Crimson King—In our opinion this is the finest Sweet Pea of a true crimson shade. A bold flower of excellent shape, carried on fine long stems.

LAVENDER

Austin Frederick Improved—The color is a pleasing shade of bright lavender.

Hawlmart Lavender—There is nothing so pure in lavender as this.

R. F. Felton—This has made many friends on account of its wonderful color and magnificent size.

BLUE

Blue Bird—A fine blue variety of large size and brilliant coloring. The flowers are much waved and frilled. Elegant long-stemmed spikes.

Mrs. Tom Jones—This is a real true blue.

PURPLE

Olympia—Lovely, large blooms of a gloriously rich and bright purple color. It is a comparatively new variety of strong habit.

Royal Purple—The color is a rich warm purple, the younger flowers having a slightly softer color tone.

MAROON

Warrior—The color is rich reddish maroon, flushed with bronze. Lovers of dark shades will appreciate this fine color.

STRIPED

America—The ground color is ivory-white, distinctly striped with brilliant crimson-red. It is a charming variety which blooms very freely and carries its striking blooms in threes or fours on fine long stems. It makes an exquisite bunch.

Senator—The color is a varying combination of deep claret and chocolate, striped and flaked on a ground of light heliotrope.

SWEET PEAS

EARLY FLOWERING

SPENCER SWEET PEAS

Six weeks earlier than the Spencers, these new early-flowering varieties begin to bloom 106 days from planting in the open ground and flower through a long season—about four months.

BICOLOR

Yarrowa—Bright rose-pink on clear cream. Large, well waved, and free blooming.

Pkt. 15c; ½-oz. 25c; oz. 45c

Columbia—The standard is a rich rose-pink; wings a fine delicate creamy rose.

Pkt. 15c; ½-oz. 25c; oz. 50c

MAROON

Congo—Chocolate Maroon. Pkt. 15c; oz. 50c.

CRIMSON-SCARLET

Aviator—Brilliant crimson scarlet flowers of large size and fine form.

Pkt. 15c; oz. 50c

WHITE

Snowstorm Improved—This is by far the finest of all white winter flowering varieties. The flowers are extra large and of fine form.

Pkt. 15c; ½-oz. 30c; oz. 50c

LAVENDER

Asta Ohn—The flowers are of large size. The color is a charming soft lavender, suffused with mauve.

Pkt. 15c; oz. 50c

Heather Bell—Beautiful shade of rich mauve; stems long. A splendid acquisition to the early Spencers.

Pkt. 15c; oz. 50c

CREAM

Canary Bird—This is a splendid rich deep cream or primrose-colored self. The flowers are of great size, beautifully waved, and long-stemmed.

Pkt. 15c; ½-oz. 35c; oz. 50c

Spring Maid—Light cream pink. Pkt. 15c; oz. 50c.

DEEP PINK

Zvolanek's Rose—One of the best in the deep pink class. The flowers are large. Pkt. 15c; ½-oz. 35c; oz. 50c

Miss Louise Gude—Brilliant pink. Pkt. 15c; oz. 50c

ORANGE-SCARLET

Glitters—Glitters and scintillates, with a fire-like sheen radiating over the flowers. The standard is a bright fiery orange, and the wings are deep orange.

Pkt. 15c; ½-oz. 30c; oz. 50c

EARLY FLOWERING SPENCERS MIXED

A choice mixture of the foregoing named Early Flowering Spencer varieties, and others.

Pkt. 10c; oz. 50c; ¼-lb. \$1.75

CUPID, DWARF OR BEDDING SWEET PEAS

These form a line of emerald-green foliage a little over a foot wide and 6 inches high, and from June until late summer are literally a sheet of bloom; the mixture contains all the colors.

Little Nell—Pink and white. Pkt. 10c.

Midshipmite—White edged violet blue. Pkt. 10c.

Rosebud—Apricot pink. Pkt. 10c.

Mixed—Above three varieties. Pkt. 10c.

*SWEET WILLIAMS

Dianthus Barbatus—A well-known attractive, free-flowering, hardy perennial, producing a splendid effect in beds and borders, with rich and varied flowers. The demand for separate colors has induced us to offer this season several of the best and most distinct flowers.

Dark Crimson. Pkt. 5c.

Pink Beauty. Pkt. 5c.

Scarlet Beauty. Pkt. 5c.

Double White. Pkt. 5c.

Double Mixed. Pkt. 5c.

Single Mixed. Pkt. 5c.

THUNBERGIA

Black Eyed Susan—Beautiful rapid-growing climbers, fine for vases, rustic work or greenhouse culture. Half-hardy annuals; five feet. Fine mixed. Per pkt. 5c.

*TRITOMA

Hybrida Mirabilis—An annual Red-Hot Poker Plant. Seed should be sown in temperate heat from January to March, pricked off and treated like half hardy annuals. The seedlings may be planted in open ground from end of April to May and they will bloom freely from August to late in the autumn. Pkt. 15c.

*TUNICA

Saxifraga—A pretty tufted plant with light pink flowers, produced all summer. Useful either for the rockery or the border. Per pkt. 15c.

*VERBASCUM

Hybridum, Miss Willmott—Hardy biennial. The large flowers are produced in stately spikes, rising to a height of 5 to 6 feet and continue from July to frost. A lovely white variety. Seeds, per pkt. 15c

VERBENAS

Verbenas are free flowering hardy annuals of low spreading growth. Single plants in rich soil will cover a space three or four feet in diameter and furnish a profusion of flowers. If the flowers are kept cut, the plants will bloom much more freely. Plants grown from seed are not only cheaper than those grown from cuttings, but are more vigorous.

Mammoth Strain—This is without doubt the finest strain in existence. White, scarlet, pink, purple, blue or finest mixed. Pkt. 10c

*VERONICA (Speedwell)

Among the prettiest of herbaceous plants, bearing in most cases blue flowers, which are much needed.

Prostrata Mixed—Blue and white. Trailer. June-July. Per pkt. 25c

*VIOLET (Viola Odorata)

No garden is complete without a nice bed of violets. They bloom ahead of other flowers, and their fragrance is delightful. They will thrive in shady places and therefore can be planted where other plants will not do well. A violet bed around the foot of a big shade tree is very attractive. Provide good rich soil and after you once get a bed established you can get any number of plants by dividing the roots. Hardy perennial. Pkt. 10c

*VIOLA CORNUTA

"Tufted Pansies"—The flowers are not so large as regular pansies but bloom so freely that for bedding effect they are unsurpassed. The colors are distinct and they also bloom for a long time.

Blue Perfection—Deep bright blue. Pkt. 15c.

Purple—Pkt. 15c; Mixed—Pkt. 10c.

Yellow—Pkt. 10c.

*VIOLA CORNUTA

Jersey Gem—Forms a large, compact plant, producing a continuous profusion of bloom for a very long period. The flowers are a very pleasing shade of deep violet-blue, with an occasional very slight variation in tint, and may be relied upon to come about 70% true from seed. A great feature of this fine variety is its wonderful power of resisting drought, the plants continuing to throw up flowers long after other varieties are withered up. Pkt. 25c

STIM-U-PLANT

An All the Year Fertilizer

Seeds THE KIND THAT GROW!
"YOU CAN'T KEEP THEM
IN THE GROUND"

Those marked * are Perennials

YOU CAN

Select 3-10c packages for.....25c
Select 2-15c packages for.....25c
Select 8-10c packages for.....50c
Select 6-15c packages for.....50c

WALL FLOWER

Very highly prized, old-fashioned plants grown largely for their fragrance; half-hardy perennial varieties; 1½ feet.

SINGLE FINEST MIXED

Single Finest Mixed—Pkt. 5c.
Single Yellow—Pkt. 5c.
Single Blood Red—Pkt. 5c.
Ruby Gem—Purple; very fine. Pkt. 10c.
Surprise—Orange-pink turning into salmon-rose. Pkt. 10c.
Tom Thumb—Blood red. Pkt. 10c.
Tom Thumb—Golden Yellow. Pkt. 10c.
Tom Thumb—Sulphur Yellow. Pkt. 10c.

DOUBLE TALL BRANCHING WALLFLOWER

Double Tall Branching. Finest Mixed—Fragrant, 3 feet. Per pkt. 10c

WILD CUCUMBER

The quickest growing climber on our list, attaining a length of 30 feet in one season. It is thickly dotted with pretty, white, fragrant flowers, followed by an abundance of ornamental and prickly seed pods. It will quickly cover an old tree or an unsightly building. Pkt. 5c; oz. 20c

"WILD" FLOWER GARDEN

To those who cannot bestow the necessary care required in a neatly laid out flower garden the "Wild" Flower Garden presents a substitute which for its usual varied effect, for cheapness and small amount of labor necessary for its construction, has no rival.

"Wild Flower Garden Seeds" are a mixture of over 100 varieties of hardy flower seeds. Per pkt. 5c; oz. 20c

XERANTHEMUM, MIXED

Plants 2 feet high, producing small double flowers, which are easily dried for winter bouquets. Grows readily from seed sown early in the Spring. The flowers are very graceful. Free-flowering. Pkt. 10c.

*BUTZER'S PERENNIAL FLOWER GARDEN

We have made up a mixture of the most showy and easily grown perennials. As a great many of our customers do not care for the names of the different varieties but want a lot of flowers the whole season, with this in mind we have made up this mixture. Under ordinary gardening methods, the planter may expect quite a surprise at the great display of beautiful flowers. Try a package on our say-so. Large Package, 15c, 2 for 25c; oz. 50c, postpaid

BUTZER'S ANNUAL-FLOWER MIXTURE

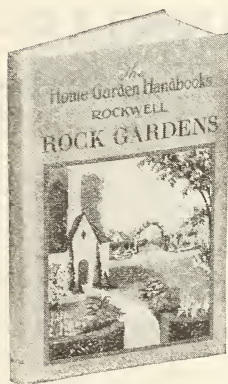
A splendid mixture of the true annual flowers so blended as to give a succession of bloom from early spring to late fall. All colors may be found in this mixture. For best results the seed should be sown in a prepared seed bed.

If you have a piece of ground you cannot irrigate, or have not time to give particular attention, yet you want to have something beautiful instead of unsightly weeds, we advise you to plant our Annual Flower mixture. It contains a large number of different kinds of hardy varieties that will grow with the least of care, and, produce great quantities of flowers. Pkt. 15c, 2 for 25c; oz. 50c, postpaid

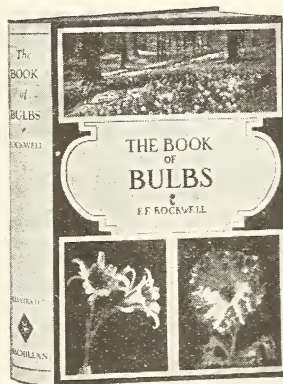
One package of Perennial and one package Annual Flower Garden, 25c.

THREE GOOD GARDEN BOOKS

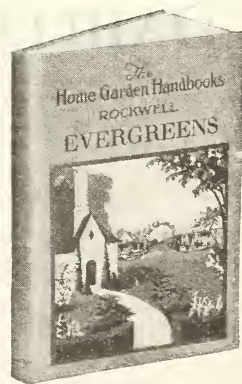
And many others. Send for booklet on books as space will not permit listing more.



Rock Gardens. By F. F. Rockwell. In a small space—or a large one—you can build a rock garden that will be a continual beauty spot through all the growing seasons. This practical book shows just how to go about constructing one of these gardens at small cost and for the greatest enjoyment. Describes different types of rockeries, tells what soil, climate, and location is needed, how to construct, and what plants to use. Illustrated, 86 pages, \$1.00.



The Book of Bulbs. By F. F. Rockwell. We can recommend this as the most complete and practical book on bulbs for American conditions. Pictures and text show and tell just how to make the most from bulbs in your garden, both outdoors and inside the home. In addition to the more widely-grown bulbs, the book introduces others not so well-known that will bring new beauty to your garden and new pleasure to your gardening. Illustrated. 264 pages, \$3.00.



Evergreens for the Small Place. By F. F. Rockwell. All the information you need to make the most of evergreens about your home is in this handy book, written by one who is himself a home owner and a garden maker of long experience. It tells the uses, characteristics, and types of small or dwarf evergreens, and details of their planting, transplanting, and general care. Illustrated, 84 pages, \$1.00.

ZINNIAS



The most gorgeous annuals with a wonderful range of color. Extremely double flowers with long stems and good keeping qualities, make this old-fashioned flower a joy in the garden. If you plant but one annual, plant this. May be taken up when in full bloom and transplanted without any visible effect. If grown in sunny spot in well fertilized soil and watered freely the flowers will be more completely double as lack of these stunts the plant and flowers are apt to revert to the old single type. Has no enemies, either insect or fungus.

DAHLIA FLOWERED ZINNIAS

This wonderful flower creates a sensation wherever it is grown and it has probably gained popularity more quickly than any other improved garden flower offered in recent years. The large size, fullness of petals, extraordinary color range, and good keeping qualities have all contributed to its popularity. The flowers resemble in appearance the Decorative Dahlia and is called the Dahlia Flowered Zinnia for this reason. When in full bloom they often measure five to six inches in diameter.

Canary Bird—A delicate shade of primrose—very large and holds its color well until out of bloom. Per pkt. 10c.

Crimson Monarch—By far the largest and best of the red shades. Flowers often 8 inches in diameter. Plants very vigorous. A marvelous production of extraordinary merit. Per pkt. 10c.

Dream—A fine deep lavender, turning to purple (Mallow Purple), a new, desirable shade in Zinnias. Per pkt. 10c.

Exquisite—By far the most pleasing of our collection. Truly DAHLIA flowered as regards form and size. Color light rose with center a deep rose. (Tyrian Rose.) Per pkt. 10c.

Golden Dawn (New)—A beautiful golden yellow of immense size and good form. Very attractive. Pkt. 10c.

Golden State—A very rich orange yellow (Cadmium). Yellow in the bud, turning to an attractive orange when in full bloom. Per pkt. 10c.

Illumination—Similar to Exquisite, but a striking self color of deep rose. (Tyrian Rose.) Per pkt. 15c.

Lemon Beauty—This is next to Crimson Monarch in size and form. It may be described as a golden yellow on brown. Decidedly a pastel shade, and should be in every collection. Pkt. 10c.

Meteor—A rich, glowing deep red (Spinel Red), and the darkest of all the red shades. Fine form, with good depth of petal. Very large and more floriferous than other reds. Per pkt. 10c.

Oriole—We consider this the most beautiful of its class. It is an immense orange and gold bicolor, changing slightly as it ages, but at all times worthy of the beautiful bird for which it is named. Pkt. 10c.

Old Rose—This is adequately described by its name, as it is of the real Old Rose Shade; it is large, and for charm and beauty we consider it ranks next to Exquisite. Per pkt. 10c.

Polar Bear—A very large pure white, the best white yet seen in Zinnias. True Dahlia form. Per pkt. 10c.

Purple Prince—A fine, deep purple (Rhodanthé Purple) large and well-formed. Pkt. 10c.

Scarlet Flame—A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petal. This is not a bicolor. Per pkt. 10c.

Youth (New)—A beautiful soft rose self; valuable for forcing and a good shipper, having better lasting qualities than any other variety we grow. Pkt. 10c.

Butzer's Special Mixture—A well blended mixture, containing all the above novelties. Per pkt. 10c; 3 for 25c.

Our mixtures of Nasturtiums are made up out of the best named sorts, insuring the largest range of colors

GLADIOLUS

Albania (Kemp)—Unquestionably one of the finest whites in cultivation. Each 5c, doz. 50c.

Alan V. Bunce (Bill)—Bright orange yellow. Each 10c, doz. \$1.00

Alton (Kunderd)—A wonderful ruffled variety of finest orange color. A magnificent flower. Each 5c, doz. 50c

American Beauty (Diener)—American Beauty rose with creamy throat. A wonderful bouquet of blooms all open at once. Each 6c, doz. 60c.

Anna Eberius (Diener)—This variety has created a sensation everywhere with growers and amateurs alike. Dark velvety purple, throat deeper shade, flowers of large size. Each 5c, doz. 50c.

A. W. Hunt (Christy)—Best orange red, very large bloom. Each 5c, doz. 50c.

Bengal Tiger (Pratt)—A fine red with dark markings, originated by Dr. Pratt of Portland. A truly home product. Each 5c, doz. 50c.

Betty Nuthall (Salbach)—Very tall coral with orange throat. Magnificent flower and a good propagator. Each 60c, doz. \$6.00

Byron L. Smith (Kunderd)—One of the very best; most refined lavender-pink on white ground; extra fine as a cut flower. Color equal to a very choice Cattleya orchid. Each 5c, doz. 50c.

Carmen Sylva (Prestgard)—Almost pure white medium tall, ideal cut flower. Each 5c, doz. 50c.

Carmelita (Diener)—Smoky pink, large flower. Each 6c, doz. 60c

Catherine Coleman (Coleman)—Geranium pink, extra tall. Each 15c, doz. \$1.50.

Copper Bronze (Kunderd)—Prim, a very striking copper bronze color. Each 10c, doz. \$1.00.

Coral (Rooney)—Coral pink to light cream in throat. Each 10c, doz. \$1.00

Crimson Glow (Betscher)—Rich crimson; large open flower and good spike. Each 5c, doz. 50c.

Diener's White (Diener)—Extra vigorous white, many flowers open. Each 5c, doz. 50c.

Don Juan (Kunderd)—Salmon rose, tinted blue. Each 10c, doz. \$1.00

Dr. F. E. Bennett (Diener)—Deep peach red, large and fine. Each 10c, doz. \$1.00.

Dr. Moody (Kinyon)—Fine early lavender, many open. Each 30c, doz. \$3.00.

Elf (Diener)—Lemon yellow buds, white when open with yellow lip. Each 5c, doz. 50c.

Elizabeth Tabor (Hinkle)—The earliest of all glads. Beautiful shade of pink with carmine blotch. Each 5c, doz. 50c

Ethelyn (Fischer)—Prim, orange yellow, extra good. Each 10c, doz. \$1.00

Evelyn Kirtland (Austin)—A wonderfully graceful flower of bright coral pink; a great favorite. Each 5c, doz. 50c

Fern Kyle (Kunderd)—Fine large pale cream, heavily ruffled. Each 6c, doz. 60c.

Flaming Sword (European)—Beautiful flame red, early. Each 10c, doz. \$1.00.

Geraldine Farrar (Diener)—Pale lavender violet. Each 15c, doz. \$1.50

Gertrude Errey (Errey)—Shell pink, very lovely. Each 10c, doz. \$1.00

Giant Myrtle (Kunderd)—Soft pink on white. Grand. Each 5c, doz. 50c

Giant Nymph (Coleman)—Tall light pink, extra fine. Each 5c, doz. 50c

Gladis Plath (Diener)—Mallow purple, deeper throat, extra good. Each 5c, doz. 50c.

Gloriana (Betscher)—Rich salmon pink with creamy throat, many flowers open, rapid propagator, extra fine. Each 10c, doz. \$1.00.

Gold (Decorah)—Clear light yellow, good. Each 6c, doz. 60c

Gold Eagle (Austin)—Deep rich yellow, very early and a good forcing variety. Each 10c, doz. \$1.00.

Golden Dream (Groff)—One of the best, deep clear yellow, very tall, with five or six flowers open at a time. Each 15c, doz. \$1.50

Golden Measure (Kelway)—Pure golden yellow, one of the finest of this color. Each 5c, doz. 50c.

Heavenly Blue (Pfitzer)—Aniline blue, strong grower, one of the best light blues. Each 35c, doz. \$3.50

H. C. Goehl (Fischer)—Clear white, maroon blotch, striking. Each 10c, doz. \$1.00.

Iwa (Betscher)—Pink with dark throat, one of the best blotched varieties, vigor without coarseness. Each 8c, doz. 80c

Jack London (Diener)—Salmon with red lines, fine cut flower. Each 5c, doz. 50c.

Jacoba Von Beijeren (Holland)—Violet self color, splendid and tall. Each 6c, doz. 60c.

Jean Tenny (Australian)—Good spike, silvery pink, extra fine. Each 25c, doz. \$2.50.

Jenny Lind (Decorah)—Pink with yellow throat, a darling. Each 5c, doz. 50c.

Joe Coleman (Kunderd)—Very large and vigorous rich red. Each 5c, doz. 50c.

Joerg's White (Joerg)—Fine large flowered white. Each 25c, doz. \$2.50

John T. Pirie (Kunderd)—Mahogany brown, darker throat, many open at a time. A good one. Each 10c, doz. \$1.00

Longfellow (Decorah)—Excellent pink, perfect spike, a dainty fine thing. Each 10c, doz. \$1.00.

Los Angeles (Houdyshel)—Shrimp pink, the cut and come again Glad. Each 5c, doz. 50c.

Marie Kunderd (Kunderd)—Early ruffled white. Each 8c, doz. 80c

Mary Pickford (Kunderd)—A wonderful flower and spike of delicate creamy white flowers, with sulphur yellow blotch in throat. Each 5c, doz. 50c.

Minuet (Coleman)—Clear lavender, very good. Each 25c; doz. \$2.50

Mrs. Dr. Norton (Kunderd)—Finest cream and pink. Each 5c, doz. 50c

Mrs. F. C. Peters (Fischer)—Extra fine tall rose lilac with blossoms that are blotched with crimson, large. Each 5c, doz. 50c.

Mrs. Leon Douglas (Diener)—Begonia rose, striped with scarlet, magnificent spikes of mammoth flowers. Each 5c, doz. 50c

GLADIOLUS—Continued.

Mrs. P. W. Sisson (Coleman)—Clear cameo pink, a prize winner, beautiful. Each 10c, doz. \$1.00.

Mrs. Von Konynenburg (Holland)—Good light blue, excellent spike. Each 25c, doz. \$2.50.

Mr. W. H. Phipps (Diener)—Iridescent pink to rose salmon, many flowers open. Each 10c, doz. \$1.00.

Orange Queen (European)—A very beautiful brilliant orange Prim. Each 6c, doz. 60c.

Orchid Lady (Spencer)—A dark early lavender, large flowers. Each 25c, doz. \$2.50.

Our Selection (Australian)—Deep salmon tinged purple-lavender, blotched throat. Each \$1.00, doz. \$10.00

Pfitzer's Triumph (Pfitzer)—Very large salmon orange. Attracts attention wherever shown. Each 35c, doz. \$3.50

Pink Cloud (Kunderd)—Soft rose pink shading to deeper pink in throat, large and ruffled, many open. Each 15c, doz. \$1.50

Pink Wonder (Kemp)—Very large blooms of a pleasing shade of light pink. Each 5c, doz. 50c.

Purple Glory (Kunderd)—Gigantic blooms of a deep maroon red, well spaced on tall spikes. A wonderful exhibition variety. Each 8c, doz. 80c.

Red Glory (Piper)—Very large velvety red, a sport of Purple Glory and a good one. Each 35c, doz. \$3.50.

Richard Diener (Diener)—Geranium pink, one of the very best. Each 5c, doz. 50c.

Rose Ash (Diener)—Soft light rose with grey blue and having soft cream blotches on two lower petals, stalks four to five feet tall. Each 5c, doz. 50c.

Sans Pareil (Vilmorin)—A French variety of great merit, deep apricot pink, with white throat, well placed on tall spike, a grand variety. Each 20c, doz. \$2.00.

Scarlane (Kunderd)—Ruffled, a brilliant rich orange red. Each 5c, doz. 50c.

Sunnymede (Fischer)—Light orange with red throat markings. The best in this color. Each 6c, doz. 60c.

Superba (Coleman)—Carmine scarlet, large flowered and early. Each 10c, doz. \$1.00.

Sweet Lavender (Coleman)—Very early lavender, darker throat, fine. Each 5c, doz. 50c.

The Orchid (Sprague)—Lavender pink, lacinated and ruffled. Each 10c, doz. \$1.00.

Tycko Zang (Austin)—Brilliant salmon pink, good. Each 6c, doz. 60c

Veilchenblau (European)—Violet blue, tall spike, extra good. Each 30c, doz. \$3.00.

White Butterfly (Kunderd)—A fine pure white Prim. Each 5c, doz. 50c

Wm. Kent (Diener)—Cream pink, beautifully ruffled, large flower and plant. Each 10c, doz. \$1.00.

GLADIOLUS

This class of Summer-flowering bulbs is doubly valuable for the brave field show of bloom, and for its generous supply of cut flowers. Gladiolus flowers last longer when cut than most any other flowers, and develop in water to a greater perfection than if left on the plant. Any rich, light garden soil will grow Gladioli if properly worked in preparation and exposed to the benefit of full sunlight. Set bulbs 2 to 4 inches deep and 2 inches apart in the drills, single rows 12 inches and double rows 18 inches apart. Beds do well planted 4 to 6 inches apart, each way.

BUTZER'S "ROSE CITY"

Mixture of
Large Flowered Gladiolus

All Extra Selected Large Bulbs

No Second Size

We have assembled an assortment of distinct choice named varieties into a carefully distributed mixture. This collection is entirely our own, in which we take a reasonable pride.

By MAIL, 50c per doz., \$3.50 per 100.

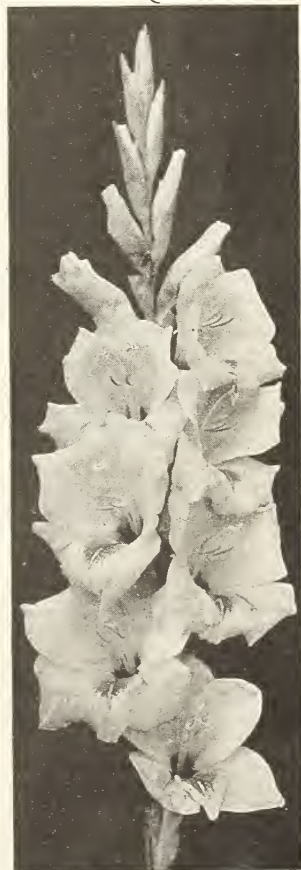
By EXPRESS, \$3.00 per 100, \$25.00 per 1000.

250 at the 1000 rate.

BUTZER'S Dollar Assortment
of Gladiolus

60 ASSORTED BULBS FOR \$1

These are Medium or Flowering size bulbs of the finest named varieties only. Each assortment put up separately by hand containing from 1 to 5 bulbs each of 20 different varieties, 60 bulbs in all, but not labeled. Not a cheap mixture, but a collection of the best, priced so that you can afford to plant them liberally, and still have something really choice. All will bloom splendidly for anyone, and will make extra large bulbs for next year. We guarantee them to please you. If not, return them next fall and your money will be cheerfully refunded. We send cultural directions with each order.



BUTZER'S DAHLIAS—Selected Varieties

ORDER EARLY

No plant in the floral kingdom has made such marked improvement in size, form and coloring in the past few years as has the Dahlia. Words are inadequate to describe them. There is a touch of grandeur and magnificence about them that baffles description. The blossoms are wonderful in form and size, and embrace a glorious range of coloring, with almost an endless number of combinations impossible to describe. It has a blooming season of about four months, commencing in mid-summer and lasting until frost, and for landscape and garden decoration it stands supreme.

Our offerings of Dahlias are only those varieties which we have found to be entirely satisfactory to planters in general. There are hundreds of worthless varieties with which the amateur is not familiar, and would consequently have more difficulty in choosing properly if they were included among the listings. You may have no hesitancy in selecting any variety from this list.

For those who do not know the different varieties of dahlias or feel that they do not know which ones to select, we have prepared several fine collections which are offered on another page at greatly reduced prices, in order to get you acquainted with this beautiful flower.

Dahlia bulbs are ready for shipment about April 15th. You may include them in your order for seeds and they will be sent when ready.

In this locality we recommend planting about May 1st and bulbs will be shipped the latter part of April. Upon arrival bulbs should be planted at once if ground has been prepared for them, if not they should be left in box covered with packing material as received and packing should be moistened so as to keep them from drying out. Keep them well covered and away from sunlight and air, as it is very harmful to the bulbs to leave them laying around, exposed, before planting them.

DAHLIA CULTURE—Dahlias will grow to perfection in any good garden soil and should be planted where they will get plenty of sun although they will do very well if planted in a location that is partially shaded.

Holes should be dug about three feet apart each way and the bulbs planted 5 to 6 inches deep, laying them flat in the bottom of the hole. Under no circumstances should they be stood on end. Cover bulb with not more than 2 inches of finely pulverized soil at first, and as plant makes growth hole should be gradually filled in.

Plants should be watered freely when necessary and ground should be kept well cultivated until plants begin to bloom, when deep tillage should cease and the surface only should be lightly stirred from then on. Stakes should be driven into the ground and plants kept well tied to them so as to keep them from being broken down by wind and heavy rains.

DAHLIAS—THE DIFFERENT FORMS

Cactus (*C. signifies Cactus*)—These are characterized by the long, narrow, pointed petals, twisting and incurving; others straight and needle-like.

Hybrid Cactus (*H. C. signifies Hybrid Cactus*)—They are between the cactus and the decorative. They have broader and more massive petals than the cactus, but not as broad as the decorative.

Decorative (*D. signifies Decorative*)—These have large double flowers, full to the center, with broad, flat, somewhat loosely arranged petals, with broad points or rounded tips.

Peony (*P. signifies Peony*)—These are so named from their resemblance to semi-double peonies.

Alice Whittier (*H. C.*)—One of the finest and largest of the newer prize-winners of a beautiful clear sulphur yellow. Massive blooms of good substance and perfect form carried on long stiff stems. One of the best light yellows. Each \$1.00.

Ambassador (*C.*)—Awarded first prize at Seattle Dahlia Show, 1927, for the best and most artistic variety exhibited. In color a soft yellow at the center, with salmon, amber, and pink shadings, gradually deepening at the tips. The blending of these colors captivates all. Flowers of largest size on perfect stems. Each 75c.

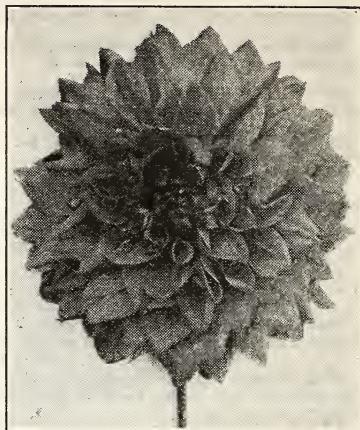
Amun Ra, or The Sun God (*D.*)—Here is a gorgeous beauty of copper and orange tones shading to gold and amber, deepening in the center to a dark reddish brown, the effect as a whole being that of a gorgeous sunset. The immense flowers are held well above the strong vigorous plants on three-foot stems. Each 50c.

Ballet Girl (*C.*)—An extra large deep flower; a mass of narrow incurved petals of pure orange, white with orange base and other variations of these colors on the same bush. Free flowering. Very attractive. Each 50c.

Black Jack (*D.*)—One of the deepest maroon colored dahlias grown. Color is so dark it can almost be described as black. Flowers are immense and are carried well above the tall growing plants on long, strong stems. The best in its color and a distinct addition to any garden. Each 75c.

Bob Pluse (*H. C.*)—A large wine-maroon, each petal attractively tipped with pure white. Fine stems and blooms very freely. Very showy in the garden. Each 50c.

Border King (*C.*)—Large, incurved flower, of rich, deep glowing scarlet. A beautiful exhibition variety and its long, stout, upright stems and freedom of bloom, makes this an ideal dahlia for any purpose. Each 50c.



Carmenita (*D.*)—A fancy variety of large size, of unusual graceful formation of a bright yellow, striped with red. The plant is a compact grower, and a mass of bloom throughout the season; these are borne on good stems and last well when cut. Each 50c.

Champagne (*D.*)—Aside of being one of the largest dahlias this wonderful variety has not only size to commend it but it is a model for shape, habit of growth, stem, freedom of flowering, and above all, its remarkable and distinct color; very aptly described by its introducer as golden champagne with chamois shadings, which color combination no doubt suggested its appropriate name. Each 50c.

Charles Stratton (*D.*)—A grand exhibition flower that has been awarded many prizes for its large size and artistic coloring, and one of the most talked of Eastern varieties. In color a pale gold, shaded and tipped with old rose. A tall grower and prolific bloomer on good stems. One of the best new varieties. Each 50c.

Chemar's Masterpiece (*C.*)—A huge incurved cactus of orchid pink that has to be seen to be appreciated. Stems are good and blooms are of fine form and about the same color as Mrs. I. de Ver. Warner of which it is a seedling, and plants are good strong growers. Was awarded a certificate of merit by Dahlia Society of New Jersey. Extra fine. Each \$1.00.

Cigarette (*H. C.*)—This distinct and novel dahlia attracts more attention in our fields than any other variegated variety. In color it is creamy white, heavily edged with pomegranate red, but it varies greatly, no two flowers being exactly alike. The petals are long and inclined to roll, forming a large, deep, well-shaped flower of great substance on very long stems of best quality. Each 50c.

City of Portland (*P.*)—One of the grandest new peony dahlias, 8 and 9 inches in diameter and of very artistic form. Color is a clear rich deep yellow. Ea. 50c.

DAHLIAS—Continued

City of Trenton (D)—A new Eastern variety of wonderful merit. Blooms are very large and are held erect on long stiff stems well above the foliage. The front of the petals are a rich glowing tangerine orange while the reverse is a crushed strawberry red. The gracefully curled petals give a two-toned effect, creating an impression of whorls of flame radiating from a full glowing center. A superb flower of great beauty and highly recommended. Each \$2.50.

Earl Williams (D)—An exceptionally attractive fancy or variegated variety, the flowers are of largest size, of splendid formation of a brilliant crimson-scarlet color, each petal tipped with white; an early and free bloomer that continues in good shape to the end of the season. Each 50c.

Eldorado (D)—Size, stem and color of this variety are of the best. Picture a comparatively low growing bush with immense golden-yellow blooms which stand up and look you in the face, and you have Eldorado. A strong feature of this beauty is the depth of the flower which corresponds with the size, a splendid dahlia in every way. Each 50c.

El Granada (HC)—A very beautiful flower of brilliant orange. Petals twist and interlace, showing a creamy yellow reverse at the tips. Blooms are carried on wiry stems and are very large. Has won many prizes. Each 75c.

Elite Glory (D)—One of the greatest Dahlias ever originated and a most spectacular exhibition variety that creates a sensation wherever exhibited. The color is a radiant bright red and its effect of brilliance cannot be surpassed. The flowers are of very heavy texture and are wonderful keepers considering their giant size. Was a constant prize winner at most of the shows the past season. Each \$1.00.

Elinor Vanderveer (D)—An incomparable dahlia of exquisite beauty and great size. The large blossoms of glowing, satiny rose-pink are of great depth and substance and are held far above a strong sturdy plant on exceptionally long, stiff stems. There is no surplus leafage and with ordinary disabbling every flower is perfect. Extra fine. Each 50c.

Glory of Monmouth (D)—A large beautiful flower of Eosine pink, shading to strawberry pink at center of petals. Base of petals a light orange; a new combination in dahlias. Plant is of medium height, wide spreading and sturdy, holding the exquisite blooms well above the foliage on strong stems. Very free flowering and an extra fine keeper. Should not be pinched back. Each \$1.00.

Golden West (C)—Large bold flowers on strong stems; color, deep rich yellow heavily overlaid with orange. A fine cut flower. Each 50c.

Golden Emblem (D)—A clear, golden yellow, without shading or traces of any other color. The huge flowers, 9 to 10 inches across, are of the most artistic and refined form imaginable with their high centers and long, wavy, recurving petals. Blooms held erect on long wiry stems, far above foliage. The best clear yellow by far. Each \$1.00.

Ida Perkins (D)—This wonderful white won the Garden and Home Builder Achievement Medal at Boston and we consider it to be the best white introduced to date. We grow several good whites but Ida has them all beat. Upright grower; perfect stems; flowers of largest size and heavy texture; and a remarkable keeper that does not sunburn. A grand exhibition flower and as clean a grower as you will find in any garden. Extra fine. Each \$2.00.

Inkyo (H.C.)—A nearly black hybrid cactus that produces an abundance of very dark red incurved blooms. Easy to have stems three feet long on this dahlia. To walk among them is like losing ourselves in a black forest. Everyone who has grown it is enthusiastic in its praise. Each \$1.00.

Insulinde (D)—One of the most popular varieties both as a cut flower as well as for garden decoration. The blooms under ordinary cultivation are from 7 to 8 inches in diameter with just sufficient broad, long curled and twisted petals to form a perfect and graceful flower. These are held horizontally on the stem like a Chrysanthemum. Color a beautiful golden ochre, with salmon-red suffusion which deepens towards the center. Each 50c.

Jane Cowl (D)—This massive decorative was the sensation of the New York Show of the American Dahlia Society, 1927. It is a large deep flower with as fine a coloring as anything in the Dahlia world. A glistening bronzy buff and old gold blending to a deeper shade toward center of flower, reverse of petals a pale flesh color, giving the flower as a whole, a warm glow. A stem of unusual strength holds the giant blooms erect over a plant of ideal growth. This variety received many prizes during the past season at the different shows. Was awarded two blue ribbons at the 1928 show of the Portland Dahlia Society. One for largest flower and one for the best flower in the show. Each \$2.50.

Jean Chazot (H. C.)—A beautiful golden bronze with just a faint suffusion of nasturtium-red that intensifies its brilliancy and adds to its charm. A strong grower and flower is a good keeper on fine stem. Each 50c.

Jersey's Beacon (D)—A new eastern variety that is a wonder from the originator of the famous Jersey's Beauty. As an exhibition flower it has few equals and as a garden flower it is even more spectacular. The blooms are simply immense held far above the foliage on long, strong, stems. In color it is a Chinese-scarlet, with a paler reverse, giving it a two-toned effect. This variety was seen at all the Dahlia Shows the past season where it won many ribbons. Each 75c.

Jersey's Beauty (D)—Not only the finest, true pink, decorative variety yet introduced, but we are tempted to say the best all-round dahlia for any purpose yet introduced. It has been one of the outstanding features of the shows for the past four seasons, where it has been awarded many medals, certificates and prizes. The beautiful, large, pink flowers are of perfect form, supported on long, stiff, straight stems. It is early and free-flowering, continuing perfect to the end of the season. As a cut flower it is one of the best keepers and is equally valuable for garden decoration. Each 50c.

Jersey's Ideal (D)—The color of this variety is best described as deep lavender-pink although sometimes it is nearer lavender. Flowers are borne face up on top of the stems, the long petals falling down and making a very deep flower. Vigorous grower and a free bloomer and an ideal stem. Highly recommended. Each \$1.00.

Jersey's Jewel (D)—A beautiful mallow-pink. Very large, long petaled flowers, on fine stems. A splendid exhibition variety. Flowers can be had 9 inches across with only ordinary care. Exquisite. Each 50c.

Jersey's Masterpiece (D)—A bold and upstanding exhibition decorative of strawberry pink suffused gold at base of petals. This flower has almost the same formation as the old favorite, Insulinda, but color is far more beautiful. Stems are strong and stiff, foliage thick in texture, and flowers are very large and freely produced. One of the best of the 1928 introductions. Each \$2.50.

Jersey's Radiant (H. C.)—Another Jersey that is a beauty. Large flowers of bitter-sweet orange, produced on long stiff stems well above the foliage, and about the best thing in its color. A very attractive variety that has won many prizes the past year. Each 50c.

Jersey's Sovereign (D)—A beautiful flower of a shade that is hard to describe. Salmon-orange is the nearest that we can come to it. A very vigorous grower with dark foliage which is very resistant to the ravages of insects. Each 50c.

Judge Marean (D)—A large flower of glowing salmon-pink, iridescent-orange, yellow, and pure gold all blended together most beautifully, held erect on fine stems. Each 50c.

Kittie Dunlap (D)—It is not only a beauty, but has every characteristic which endears it to a dahlia grower. Blooms freely all season, has excellent keeping qualities; long, firm stems, immense size, and great substance. If this dahlia did not have all these admirable qualities, the coloring would make it popular, as it is of the delightful shade of the American Beauty Rose. Each 50c.

Margaret Woodrow Wilson (D)—An exhibition type of large size and great beauty. Color is opalescent pink. Face of petals is creamy white, reverse phlox-pink, the reflection from reverse of petals giving the whole flower an opalescent effect. Each \$1.00.

Mariposa (H. C.)—Long, narrow, incurved petals. A delightful shade of true pink, intensified by a deeper center. One of the gigantic California introductions which has depth as well as diameter of flower. An absolutely stiff stem, which rises nearly three feet above the foliage, a center which is regular and perfect. Each 50c.

DAHLIAS—Continued

Marion Broomall (H.C.)—One of the most artistic and wonderfully beautiful flowers it has ever been our pleasure to grow. A lovely two-toned flower of dark lavender pink on the outer petals with a center of purest white, and a dahlia that speaks to you all the way across the show room or garden. Stems are extra fine and plants are strong robust growers. Each \$1.00.

Marmion (D.)—This flower is of such enormous size and great depth and looks so massive among the surrounding dahlias as to dwarf them all. It is a pure golden yellow with a bronze suffusion carried well above the foliage on long strong stems. A wonderful flower that has won more prizes the past season than any other variety in this country. A 12-inch Marmion won first prize for largest flower in the show at the Portland Dahlia Show of 1927. Each \$1.00.

Mrs. Alfred B. Seal (D.)—Undoubtedly the largest and finest pure, rich, glowing old rose dahlia ever produced. Nothing we have ever seen can even remotely approach it. Such an unusual coloring—the softest, richest shade of absolutely pure, growing old rose imaginable, without a trace of any other color. The flowers are huge, and of great depth and substance, and are held proudly erect above a fine strong, tall bush, on long stiff stems. Awarded the Achievement Medal, offered by the Publishers of The American Home for the best new dahlia. Was the Shining Star of the Portland Dahlia show 1929, where quality reigned, winning two blue ribbons, one for best flower in the show and one for the largest. A magnificent flower. Each \$7.50.

Mrs. Eleanor Martin (D.)—Very large flowers, can be grown to 10 inches in diameter on stiff, 2-foot-long stems. The form is of best exhibition type and the coloring is unique, different from all others, a beautiful mulberry with golden suffusion. Each 75c.

Mrs. Ethel F. T. Smith (H.C.)—An immense creamy white shading to lemon. The plant is tall and vigorous and is a generous producer of extra large blossoms. Stems are long and straight. A beauty. Each 50c.

Mrs. I. de Ver Warner (D.)—A wonderful dahlia that has justly gained a great reputation. In color it is of that refined, pleasing mauve-pink that is usually referred to as an orchid coloring. The flowers are large, of perfect form, on long, stiff stems, and are so placed as to show their full profile. Each 50c.

My Maryland (H.C.)—A graceful Hybrid-Cactus of rich bright pink, with each petal tipped with ivory both at the center and on the outside of the flower. The large flowers are carried on good stems well above a robust growing plant with leather like foliage. Awarded many prizes at the Eastern shows during the past season. Each \$1.50.

Nature's Masterpiece (D.)—An immense bloom of gorgeous coloring that is hard to describe. A blending of old rose, cinnamon, and metallic bronze and suffused with mulberry. A rich combination and an odd flower. Stems are extra long and are all that could be desired. Won the sweepstakes prize for the best flower in the show at the Portland Dahlia Show, 1927. Each \$1.00.

Nopal (H.C.)—A large nopal red hybrid cactus. This is one of those rare reds that delight the grower who is tired of growing flowers that sunfade. Artistic form, perfect center, and canelike stems are among its charms. Each \$1.00.

Oriental Beauty (H.C.)—A magnificent new hybrid cactus that has to be seen to be appreciated. For sheer beauty and perfection of form, stem and foliage, this is the queen of dahlias. A clear brilliant rose pink, a tone deeper than Delice. Just a suggestion of a lighter tint at the tips accentuates the beautiful incurved form. Blooms 7 to 8 inches. Plants tall strong growers and insect proof. Its wonderful color, perfect form, fine keeping qualities, long erect stems, full center, and long blooming season, make it outstanding in any collection. Won first prize for best flower in the show at Los Angeles, 1927. Was awarded The American Home Achievement Medal in 1928. A wonderful flower. Each \$5.00.

President Wilson (D.)—A large and attractive variety on a good stem, that is a great favorite with everyone. In color it is a rich crimson with each petal distinctly tipped white. A very beautiful flower, fine for exhibition. Each \$1.00.

Pride of San Francisco (D.)—Large blooms of a brilliant golden salmon pink held erect on stout stiff stems. Plants are of compact growth and flowers are extra fine keeper. Should be in every garden. Each 50c.

Radio (D.)—This immense dahlia is surely a wonder, bearing blooms 12 inches in diameter, without disbudding. Color is brilliant red, bordered yellow, with a yellow reverse. A most striking combination of colors that attracts a great deal of attention. Each 75c.

Regent (C.)—A very large clear mauve-pink, with beautifully incurved petals. Free bloomer on fine stems. One of the best Cactus Dahlias. Each 50c.

Robert Treat (D.)—This beautiful new Eastern introduction has been one of the great prize winners the past two seasons all over the country. The immense bloom is a clear American Beauty rose color, of great substance, and is held erect on fine stems. One of the very best. Each 75c.

Rookwood (D.)—A remarkably distinct dahlia, unusually free-flowering, coming into bloom early and producing 100 per cent perfect flowers to the end of the season. The form is absolutely perfect, composed of peculiarly curled or twisted petals, in color a pleasing shade of cerise-rose which does not vary during the entire season. Each 75c.

Rory O'Moore (D.)—A beautiful bloom of deep maroon, with each petal tipped white. Flower is large and grows on a perfectly stiff stem and blooms freely all season. Flowers are regular, always showing the two colors. Never throws blooms of one solid color. Was greatly admired by all visitors in our garden. Each 50c.

Sagamore (D.)—A long stemmed, free blooming variety, producing superb blooms of a rich golden yellow. A noble all purpose variety and particularly valuable to the cut flower trade due to its wonderful keeping qualities, rating second to Jersey's Beauty for this purpose. Each 50c.

Shanahan's Delice (D.)—A very beautiful flower and of the color of the favorite old time Delice, but of a size requiring for present day standards. It is a lovely staghorn petaled decorative, of great depth and of true deep pink, with an almost imperceptible salmon glow in the center. It is a free bloomer, stem like a cane and an excellent keeper when cut. Each \$1.50.

Santa Anna (H.C.)—A fine new variety from California of a beautiful salmon rose suffused with gold. The huge blooms are held well above a medium height plant on fine stems and are very freely produced. The long wavy petals, immense size, and beautiful coloring of this dahlia won the admiration of all those who saw it in our garden the past summer. A fine exhibition variety. Each \$1.50.

Shudow's Lavender (D.)—The very large flowers are of a silvery lavender slightly shading to white. The stem is long and stiff and holds the large flower erect. It blooms continuously and freely from early to late in the season and never shows a center and has excellent keeping qualities as a cut flower. Each 50c.

Susan G. Tevis (D.)—This beautiful variety should fill a long felt want, for a lilac-blue flower. This has a distinctive new color tone, best described as a deep shade of lilac with a bluish sheen. The blossoms are regularly formed of narrow, flat, pointed petals. It is a very large graceful bloom of fine depth. Each 50c.

The Grizzly (D.)—Deep rich crimson-maroon, of immense size, and a prolific bloomer. Of very attractive formation and creates a sensation wherever shown. Each 50c.

The Telegram (P.)—A new Eastern variety that attracted a great deal of attention in our garden the past season. The blooms are of a beautiful golden yellow at center with the outer third of each petal tipped with pure white. Blooms are large on medium stems and free flowering. Each 75c.

Trentonian (D.)—A giant decorative of outstanding merit of a distinct and appealing color. A wonderful shading of old gold, amber, and coppery bronze, with a center of reddish bronze, forming a flower of marvelous brilliancy. Blooms are placed horizontally on top of exceptionally fine long cane-like stems that carry the immense flowers perfectly. A flower of fine keeping quality and a splendid exhibition variety. A ribbon winner at all the recent shows. Each 75c.

Uncle Tom (D.)—If you want the nearest to black of any dahlia that grows, you should have this one. An aptly named flower with an unusually rich and impressive color, being a dark velvety garnet heavily overcast with black, and as rich as the finest velvet in texture. Long, very stiff, stems, with excellent foliage. A very meritorious all purpose variety. Each 75c.

Valentino (D.)—A new variety that we can highly recommend for its great beauty. The color is true salmon pink shading to cream at center. Flower has good size and attractive form and is held proudly erect on a long, strong stem, that grows well out of a plant of medium height. The blooms have great substance and wonderful keeping quality, an early and prolific bloomer holding its centers until frost. One of the best. Each \$3.00.

POMPON DAHLIAS

Pompons are the midgets of the dahlia family, producing very small compact flowers, like miniature snow-balls, averaging about 1½ inches in diameter. They are invaluable for cut flowers owing to their fine stems and long keeping qualities, and their abundance of blooms. All are dwarf growers averaging about 2½ feet in height and are especially suitable to plant as a border in front of the taller growing, large flowering varieties.

ALL POMPONS 30c each

Amber Queen—Rich clear amber, shaded apricot.
Baby—White edged lavender.
Beebe—Combination of pink and mauve on white ground.
Belle of Springfield—Very small, perfect blooms of bright brick red.
Censor—Deep crimson with lighter shadings. Very neat.
Clara Harsh—Perfect blooms of yellow, tipped with crimson.
Eliganta—Beautiful bright rose pink. Very free.
Darkness—Very perfect flowers of deep velvety maroon; almost black.
Dark Eye—White ground, with lavender tips and center.
Dusky Babe—Small rich crimson.
Eureka—Rich bronze, shading to yellow.
Fairy Queen—Beautiful sulphur yellow, edged pink.
Fashion—Clear bright orange.
Harry Snooks—Rosy pink, with pale center.

Joe Fette—Beautiful snow white.
Kupfer—Deep salmon pink, with tan.
Lassie—Yellow base, tipped with rose.
Little Belle—Clear mauve pink; very compact.
Little Beeswing—Small yellow, tipped deep cherry.
Little Irene—A clear canary yellow.
Little Jenny—Beautiful, compact quilled flower, of primrose yellow.
Little Lloyd—Deep burnt orange, shading to amber.
Madeline—Pale yellow, edged purple.
Mrs. J. J. Kynn—Very small, deep, bright orange.
Nemesis—Rich, deep crimson, tipped white.
Phyllis—Yellow at base, tipped red.
Phoebe—Beautiful coppery orange.
Prince Charming—Cream, heavily tipped purple.
Vivid—Rich, brilliant scarlet of very perfect form.
Verida Flora—The green dahlia. The most unique novelty of dahlia culture. The flower is a rich verdant green, same shade as the foliage.
Winnifred—White, tipped lavender. Very dainty.

BUTZER'S "BIG VALUE" DAHLIA COLLECTIONS

This year we are offering several fine dahlia collections at greatly reduced prices and feel sure that all who buy them will be well pleased. The varieties offered are a selection of the very best from our entire list and represent a big saving than when bought separately. Every bulb is guaranteed to grow and be true to name and will be correctly labeled except collection No. 5, which are untagged.

12 PRIZE-WINNING DAHLIAS WORTH \$9.25 SENT POSTPAID FOR \$5.00

COLLECTION 1—This set contains 12 of the most beautiful dahlias grown regardless of price. All are good strong growers, producing flowers of the very largest size, of wonderful coloring, on great long stems, making them especially fine for cutting as well as garden decoration.

Amun Ra —Gorgeous copper and orange.....	\$0.50
Champagne —Golden champagne with chamoise shadings .....	.50
Jersey's Ideal —Immense deep lavender pink.....	1.00
Kitty Dunlap —Delightful pure cerise-rose .....	.50
Margaret Woodrow Wilson —Beautiful opalescent pink	1.00
Marion Broomall —Exquisite lavender pink and white	1.00
Marmion —Enormous golden yellow	1.00
Nature's Masterpiece —Gorgeous mulberry and bronze	1.00
Nopal —Immense, rich deep red	1.00
Rookwood —Delightful cerise rose .....	.75
Shudow's Lavender —Delicate silvery lavender.....	.75
Jersey's Radiant —Beautiful rich, deep orange.....	.50

\$9.25

10 BLUE RIBBON WINNERS WORTH \$16.75 SENT POSTPAID FOR \$10

COLLECTION 2—In this collection we offer you 10 of the finest dahlias grown, every one of which has a long record as a prize winner. They were the pick of our garden last fall, winning the admiration of every one who saw them. If you want something extra fine try this collection. We guarantee that you will be well pleased.

City of Trenton —Wonderful, glowing, tangerine orange	\$ 2.50
El Granada —Brilliant orange and creamy yellow .....	.75
Elite Glory —Enormous bright red	1.00
Golden Emblem —Huge, golden yellow	1.00
Ida Perkins —Immense snow white	2.00
Inkyo —Huge, dark maroon red	1.00
Jane Cowl —Wonderful bronzy buff	2.50
Shanhican's Delice —Beautiful deep true pink.....	1.50
Santa Anna —Immense salmon-rose, suffused with gold	1.50
Valentino —Beautiful salmon-pink with creamy center	3.00

\$16.75

8 HOME BEAUTIFUL DAHLIAS WORTH \$6.25 SENT POSTPAID FOR \$3.50

COLLECTION 3—In this collection we offer you 8 varieties at a low price that are especially suited to yard and garden decoration. All are good strong growers, very free bloomers, producing a great quantity of flowers during the season.

Chemar's Masterpiece —Huge incurved orchid pink	\$1.00
Glory of Monmouth —Beautiful strawberry pink....	1.00
Insulinda —Enormous golden orange .....	.50
Jersey's Beacon —Immense Chinese scarlet .....	.75
Carmenita —Unusual bright yellow, striped red....	.50
The Grizzley —Deep, rich, velvety maroon .....	.50
My Maryland —Rich bright pink, tipped with ivory	1.50
Rory O'Moore —Beautiful deep maroon, tipped white .....	.50

\$6.25

12 BEAUTIFUL POMPON DAHLIAS WORTH \$3.60, SENT POSTPAID FOR \$2.50

COLLECTION 4—We grow over 50 varieties of pompons but do not have space to list them all, therefore are offering our surplus bulbs in this collection. These bulbs will all be labeled with their correct names, and no two alike, chosen with regard to color, however they must be entirely our own selection.

OUR BIG VALUE COLLECTION 10 CHOICE DAHLIAS, WORTH \$5.00 OR MORE, SENT POSTPAID FOR \$1.50

COLLECTION 5—Since it is impossible for us to gauge the amount of sales upon any variety in advance, we often have a surplus of dahlias in very good sorts. In this collection we offer a selection of bulbs which are untagged, but are chosen with regard to color, and no two alike, and for those who are not particular to have the names, they will give fine satisfaction. These bulbs are all of large flowering, double varieties, and no other selection than our own can be permitted. Price per box of 10 good strong bulbs, in 10 varieties, \$1.50, postpaid.



Tuberous Rooted Begonias

These are not so hard to grow to perfection if you prepare your soil before planting the Bulbs. They prefer a rich soil with a liberal quantity of Peat or leaf mold. This should be thoroughly dug in and incorporated with the soil. If your soil is not rich add some Bone Meal at the same time. Plant them about one foot apart and the Bulb about one inch deep. Do not water them until the leaves appear, at no time when in growth should they be allowed to become dry.

The Bulbs that we are offering this season are grown by a specialist in Oregon and we believe far superior to those that are grown in the warmer climate. We are only offering them in mixed colors this season. When we last saw them—they were a wonder to look at. We believe they will please you as much as they did us.

We are offering them for the first time at 30c each or \$3.00 per dozen, postpaid.

The trailing tuberous Begonia is a recent introduction and it is a profuse bloomer in all shades except blue. (Price same.)

Plants for shady or half shady places are not many. The tuberous Begonia is a welcome acquisition, as it blooms the entire season, till the frost kills it. The tubers should be dug and kept dry in a basement free of frost till next spring, when it is planted again.

BUTZER'S HARDY LILIES

Lilies are New Delights for Every Garden

Auratum (Gold Banded Japan Lily)—This variety has ever been a great favorite. The flower heads are large, with broad petals gracefully recurved. White, thickly studded crimson-maroon, with a wide gold band down the center of each petal. Improves with age, and produces a vast amount of bloom.

Large bulbs, each 25c; doz., \$2.75, postpaid

Auratum Platyphyllum—This is without a question one of the most wonderful lilies in cultivation. The leaves are very long and broad and the stems attain a height varying from 7 to 10 feet. The flowers are similar in color to Auratum, but much larger. The golden band is not so pronounced and the dots are white; the petals more overlapping and of greater substance. The giant of the lily family.

Each 30c; doz. \$3.00, postpaid

Elegans—The number of forms and varieties is legion, varying in color from pale lemon-yellow to rich orange-brown, embracing various tints of orange to almost red and from soft apricot to approaching crimson. They also vary in flowering season. Stem-roots; plant 8 to 9 inches deep in sunny situation. June-July flowering.

Each 20c; doz., \$1.50

HENRYI

(The Yellow Speciosum)—A new, rare and very beautiful lily from China. It is very hardy, and without doubt one of the best lilies for garden culture. The flower stalks, 3 to 5 feet high, carry 5 to 15 large flowers each, rich apricot-yellow, lightly spotted with brown. The shape and size of the flowers has suggested the name "Yellow Speciosum."

Each 30c; doz., \$3.00

Regale (Myriophyllum)—The most vigorous and satisfactory Lily that has ever come under our observation. Perfectly hardy, of medium height, often bearing five to eight large handsome blooms. The color is white, the outer petals shaded in varying amount with pink, the throat suffused primrose-yellow, and fragrant.

Each 25c; doz., \$2.00, postpaid

Special small but blooming size bulbs at 10c each, \$1.00 per doz.

Speciosum Album—Pure white, flowers free.

Large bulbs, each 30c; doz., \$3.00

Speciosum Rubrum—White with dark rose spots. The most popular of the speciosum varieties. Hardy, vigorous, and free bloomer.

Large bulbs, each 25c; doz., \$2.75

Tenuifolium (Siberian Lily)—A beautiful dainty red Lily for the rock garden.

25c each

Tigrinum Splendens (Improved Single Tiger Lily)—Has very large flowers of excellent form, color orange-salmon, with dark spots; hardy and a free bloomer.

Large bulbs, each 20c; doz., \$2.00

Tigrinum Flore Plena (Double Tiger Lily)—This magnificent lily is of stately habit, bearing immense clusters of very large, double flowers, nodding on tall, strong stems; color bright orange-red spotted with black.

Each 25c; doz., \$2.50

LILY OF THE VALLEY

Extra Select Pips—One of the most satisfactory and charming Spring flowering plants, producing in profusion its delicate bell-shaped, delightfully fragrant, white flowers. Valleys thrive in any common soil, are perfectly hardy, and will succeed in shady situation. They can be left undisturbed in the open ground, where they will increase from year to year, and are most charming in beds or borders around the lawn. For outdoor planting and Winter forcing, pips are ready December to March.

Selected Pips—For forcing indoors or planting outside. Doz., 50c; 100, \$3.00

LILY SEED MIXED—See Page 52

The seed can be sown in flats at any time giving the same treatment as Tomato seed, and lined outside in rows about four inches apart as soon as the weather permits. These will do well in any soil with good drainage and will give you blooming size bulbs the second year. Try a package of the mixed. The results will please you.

Pkt. 25c

OREGON-GROWN ROSE BUSHES—"The World's Best"

ALL TWO-YEAR-FIELD GROWN, BUDDED AND POSTPAID

50c EACH, \$5.00 PER DOZEN

American Beauty (H. P.)—One of the largest, sweetest and best; rich, rosy crimson, shaded and veined in a most charming manner.

Augustus Hartmann—Brilliant red flushed with orange. Very large well formed flowers with high pointed center.

Chateau de Clos Vougeot (H. T.)—A very rich, fiery scarlet shading to deep velvety crimson. It is delightfully fragrant, a prolific and continuous bloomer.

Cheerful (H. T.)—Large, full flowers of perfect shape and form, with enormous individual petals and grand general character. Color, rich orange flame overspreading the petals to a distinct orange yellow base.

Columbia (H. T.)—This beautiful rose is of strong, vigorous habit of growth and exceptionally free-blooming. The flowers, which are of good size, are perfect in form, both in bud as well as when fully expanded. In color it is a most pleasing shade of rose-pink and delightfully fragrant.

Constance (H. T.)—Rich orange yellow, distinctly streaked and splashed with crimson, long pointed buds; free bloomer.

Countess Clanwilliam (H. T.)—A distinct and charming rose, producing flowers in great abundance. Color delicate peach pink, petals flamed and edged with deep cherry red. Long pointed buds opening to large full flowers. Of strong, vigorous habit.

Crimson Emblem (H. T.)—A superb new Irish rose of a rich and glorious crimson color heavily shaded maroon. Buds and flowers of superb form, of fine size and produced on fine long stems, admirably adapted for cutting. Wonderful mildew-proof foliage.

Dorothy Page Roberts (H. T.)—Coppery pink, suffused with apricot yellow, very free and perpetual, a delightful garden rose.

Duchess of Wellington (H. T.)—Intense saffron yellow stained with rich crimson which as the flower develops, becomes deep coppery saffron yellow. Delightfully fragrant.

Florence Pemberton (H. T.)—Large, full flowers, beautifully formed; creamy-white, suffused pink, particularly in center.

Frau Karl Druschki (H. P.)—The white American lasting. Makes splendid buds and immense flowers; perfectly double.

General MacArthur (H. T.)—Dazzling crimson scarlet; delicious perfume and magnificent foliage. Blooms in great profusion.

General Jacqueminot (H. P.)—Rich, velvety crimson, changing to scarlet crimson. A magnificent rose, equally beautiful in the bud state or open.

Golden Emblem—A grand new Irish rose of ideal habit of growth, with holly-like, glossy green foliage, each stem bearing a glorious golden-yellow flower of the finest form. The peer of all yellow roses.

Golden Ophelia—Rich golden-yellow flowers in greatest freedom on stout, wiry stems, clothed with glossy, dark green foliage. Especially well adapted for cutting and personal adornment.

Grange Colombe (H. T.)—Large creamy white, with salmon and fawn centers. Plant very sturdy.

Grus an Teplitz or Virginia R. Coxé (H. T.)—Crimson fiery crimson, with a dark velvety sheen; very fragrant; free blooming.

Hadley—A fine American pedigreed rose producing flowers of elegant form and substance. Color rich crimson scarlet shaded maroon. A glorious rose.

Harrison Yellow (A. B.)—One of the best yellow roses for cold climate. Its cloud of blossoms is a miracle of soft yellow in the spring.

Hoosier Beauty (H. T.)—A grand new hybrid tea rose of American origin. Flowers dark crimson, shaded with maroon and veined with black; petals of remarkable substance—like so much crimson velvet; buds beautifully formed, with fine, pointed shape, opening into large, double flower.

Hugh Dickson (H. P.)—This superb Irish rose stands in the front rank as a producer of the very finest brilliant crimson-scarlet roses. Of strong, vigorous growth and free flowering habits; one of our most favorite varieties.

Imperial Potentate (H. T.)—Rich, rosy carmine, fine buds, splendid cut flower, sweetly scented.

Irish Elegance—Bronze orange in the bud, opening into large single flowers of a lighter shade. Vigorous growing and perpetual blooming.

Irish Fireflame (H. T.)—Long pointed buds of the utmost elegance in their deep madder-orange color, splashed with crimson and expanding to large single flowers of a satiny old gold which vary as they develop.

J. B. Clarke (H. T.)—Irish variety of great merit either for garden decoration or cut flowers. The color is bright crimson shaded maroon; petals large, flowers very full and perfectly formed. Flowering from early summer until late autumn.

Juliet (H. B.)—Flowers beautifully formed, with petals of fine shape and substance. The color is a bright orange-red on the inside of petals, while the reverse side is of a rich old gold color.

Kaiserin Aug. Victoria (H. T.)—Elegant, large pointed buds; large, full, double flowers; color delicate creamy-white; fragrant.

Killarney Brilliant (H. T.)—Color an exquisite shade of deep shell pink lightened with silvery pink. The base of the petals is a soft silvery white relieved with enough yellow to make it more attractive. The buds are exceptionally long and beautifully formed.

Killarney Double White (H. T.)—A distinct rose similar to the famous Killarney in size, shape and fragrance, but snow white.

Kitchener of Kartoum (H. T.)—Dazzling scarlet; single flowers in great masses; a wonderful new decorative rose; should not be pruned but allowed to grow naturally. Something different.

La Champagne (H. T.)—Large buds and medium-sized, semi-double (25 petals), blooms peach-colored with yellow base. Vigorous plant. The buds are especially lovely, and the stiff stems hold the flowers erect, even after heavy rains.

La France (H. T.)—A silvery rose, changing to pink. A general favorite. Sweetest of all roses.

Lady Ashtown (H. T.)—Pale Rose du Barri, shaded to yellow at base of petals. Reverse side of petals silvery pink; large, long pointed buds, opening into a beautifully formed flower; a rare and most beautiful variety.

Lady Hillingdon (T.)—Deep apricot yellow, long and pointed bud. Flowers are of good substance and very lasting; foliage luxuriant; a fine forcing or garden rose, excellent for cutting.

Laurent Carle (H. T.)—Gigantic oval buds and blooms of deep, glowing carmine-crimson, perfectly formed and pungently fragrant. Plant of average growth, with foliage requiring the usual attention. It blooms freely throughout the season.

Los Angeles (H. T.)—Flame pink toned with coral and shaded gold at base of petals. Beautifully formed, fragrant, vigorous and very free blooming. Nothing better.

Mme. Abel Chatenay (H. T.)—A rose of extraordinary merit. A free bloomer, with flowers of good size and substance. Color beautiful rosy carmine, with darker shadings. One of our finest decorative and garden roses and always in great demand.

Mme. Butterfly (H. T.)—A sport from the popular new rose Ophelia, which may be said to be a glorified form of that fine variety. In this new sort all the colors are intensified making it a rich harmony of bright pink, apricot and gold. The unopened buds are especially distinct with their lovely shades of Indian red passing to golden yellow at their base.

Mme. Caroline Testout (H. T.)—A grand rose of the La France type, but with flowers larger and finer. Color, bright satiny pink; very fragrant and free in bloom. One of the handsomest roses and should be planted extensively.

See Page 21 for Special

Mme. Edouard Herriott (H. T.)—The famous winner of the Daily Mail prize. The color being terra cotta bronze and geranium red, a new combination of colors in a rose.

Miss Lolita Armour (H. T.)—A magnificent new rose of a rich chrome yellow, shaded to coppery orange. Flowers large, of finest form, on stout canes.

Mrs. Aaron Ward (H. T.)—Deep golden-orange, shading out to creamy-yellow at edge of petals. Beautiful deep buds.

Mrs. A. R. Waddell (H. T.)—A strong, rampant growing Hybrid Tea Rose, with foliage that is ornamental in itself. Large, long pointed buds of a bright rosy scarlet, opening into a finely formed flower of a rich apricot or salmon color.

WE HAVE A SURPLUS OF SPECIAL MME. CAROLINE TESTOUT ROSES

The Portland Rose. The best known and liked of all roses in the City of Portland. It is planted by the thousands along the streets between the curbs and the sidewalks, in fact you can see this grand rose all over the city. A rose that is hard to beat.

6 for \$2.00; 12 for \$3.50, postpaid

At this special price we will send the roses postpaid up to and including the fourth zone. For points beyond the fourth zone please include additional postage.

These roses are all large, sturdy, two-year-old bushes, field grown, budded on manetta stock, and will give you splendid cut flowers the first season. Not less than six sold at this special price of 6 for \$2.00 or 12 for \$3.50, postpaid.

OREGON-GROWN ROSE BUSHES—"The World's Best"

ALL TWO-YEAR-FIELD GROWN, BUDDED AND POSTPAID
50c EACH, \$5.00 PER DOZEN

Mrs. Charles Russell (H. T.)—"American Beauty" can compete with it when it comes to counting points. Stems three feet long, stiff and surmounted by grand rosy-pink blooms.

Mrs. Dunlop Best (H. T.)—Pointed, saffron-yellow buds, with dull apricot shadings, opening to rich, reddish apricot flowers of great sweetness and beauty. Very vigorous, low, spreading growth and is healthy and free flowering.

Mrs. S. K. Rindge (H. T.)—A sister variety of Lolita Armour. Buds very long and pointed, rich golden yellow outside of petals stained at base with Indian red.

Ophelia (H. T.)—Orange salmon buds, opening to flowers of dainty pink. The foliage is clean, dark and leathery—growth vigorous and free, producing long canes. Blooms early and continuously.

Padre (H. T.)—Coppery scarlet, flushed yellow at base, flowers semi-double with 15 to 20 petals, often curiously notched, exceptionally free bloomer. Color commands attention.

Paul Neyron (H. P.)—Luminous cerise-red. One of the largest roses under cultivation. It is a strong, healthy grower with clean foliage of a rich green shade. An excellent Hybrid Perpetual Rose.

Pax Labor (H. T.)—A mammoth very double Rose of pale yellow color that thrives best in warm weather. It is a prolific bloomer, with robust and beautiful foliage.

Pink Radiance—Carmine-rose-pink of a magnificent, clear shade. Constantly in bloom from early spring until late fall. A strong grower of graceful upright habit.

Premier (H. P.)—A clear pleasing red; does not fade. Good form and habit, excellent for cutting and inside forcing; fragrant, thornless, free blooming.

Queen of Fragrance (H. T.)—Large double elegantly shaped shell pink blooms, tipped with silver. Noted for its powerful perfume.

Rainbow (H. T.)—Beautiful buds and flowers of large size; color a beautiful shade of deep pink, distinctly striped and mottled with brilliant crimson, elegantly shaded and toned with rich amber; very fragrant and exquisitely beautiful.

Rapture (H. T.)—A sport of that favorite variety Mme. Butterfly with deeper tinted flowers and of more vigorous habit of growth. Free flowering and richly perfumed.

Red Radiance—Brilliant cerise-red blooms particularly attractive when half open. The flowers hold their color very well and have a sweet, delightful fragrance.

Souv. de Claudius Pernet (H. T.)—On the order of Constance or Golden Emblem but with large elongated and beautiful formed buds. Color is clear brilliant yellow. Wonderful foliage.

ALL TWO-YEAR-FIELD GROWN, BUDDED AND POSTPAID, 50c EACH, \$5.00 PER DOZEN

Sunburst (H. T.)—A veritable giant among yellow roses throwing up heavy canes clothed with most ornamental foliage and crowned with glorious buds and flowers. The buds are very long and of most beautiful form, opening into a gorgeous colored flower. The color is a rich cadmium-yellow shaded with orange and copper. One of the very finest yellow roses yet raised.

Sunstar (H. T.)—Deep orange yellow veined and splashed crimson and vermillion; lovely buds.

T. F. Crozier—Strong free branching grower making a large vigorous bush. Flowers very large, full and globular with high built center, produced freely all through the season. Color bright canary yellow shaded and flushed with ivory. A rose of great beauty and refinement, one of the most valuable garden and exhibition roses of recent years.

Ulrich Brunner—Immense big blooms of a bright cherry-red shade with a lovely rich fragrance. Very free flowering and one of the finest for cutting. Ideal for trailing on a pillar.

Winnie Davis—Fine apricot pink shading to the flesh tint at base of petals. A grand, hardy garden rose.

William F. Dreer (H.)—Soft shell pink, base of petals rich golden yellow. Sometimes the entire flower is covered with a golden suffusion. This rose has the same parentage as the well known Los Angeles and like that sort is beautiful in all stages of development from the opening buds to the well expanded flowers. We are quite sure that all who try this variety will be pleased with it.



Moss Rose—A beautiful species distinguished by the moss-like covering of their buds. Vigorous, stocky growth, lustrous foliage and perfect hardness; the flowers usually large and bloom exceptionally long.

RECENTLY INTRODUCED ROSES— Price, 75c each, \$7.00 Dozen

Aspirant Marcel Rouyer—Long shapely bud that develops in a good sized, substantial double flower with heavy shell-like petals. Color, deep apricot, tinted red at center, reverse of petals shaded salmon-flesh with deep yellow veinings at the base.

Austrian Copper (*Rosa foetida bicolor*)—Species. Rather more slender in growth than most of this group, reaching 4 to 5 feet. The wiry stems are covered in early summer with garlands of single flowers, vivid copper-red on the inner surface of the petals and bright yellow on the outside. Spectacular and of great interest.

Betty—After this becomes established it produces blooms of marvelous beauty, particularly so in the autumn. Its large, deliciously-scented flowers are of a glowing coppery-rose color, suffused with a golden sheen.

Doris Dickson—Exquisitely formed medium-sized flowers, the base color of which is orange cream, but so heavily veined and pencilled with deep brilliant cherry that it is impossible to adequately describe the unique coloring. Growth vigorous, very free flowering, and extremely fragrant. A variety that is sure to become a favorite.

Earl Haig—A type rare among red roses, and so of obvious interest to the selective buyer. Outside of its fragrance, freedom and unfading cherry-crimson color, the thick rolling petalage, and permanent high-built center, fix its superiority over less compact varieties.

Fontanelle—One of the very largest hybrid teas, with remarkable size to the rounded petals. The color is a rich, clear yellow naturally deeper towards the center, particularly strong toned during cool weather. A stronger grower than most yellow varieties.

H. V. Machin—A gorgeous flower of large size described by the introducers as the most magnificent exhibition variety they have introduced; in color an intensely black-grained scarlet-crimson, carried on rigid, sturdy stems with ideal foliage. A vigorous, strong growing Rose for the garden.

John Russell (H. T.)—Rich velvety-crimson blooms, borne on upright stems. Flowers are very large and full and of good form. A rose for those who want something out of the ordinary.

Lulu—Of particular value and beauty in bud form, they being abnormally long and substantial, with a swarthy orange red color. The flowers open up semi-double or single, brightened by an overflow of salmon-pink.

Mabel Morse—This clear bright yellow Rose of moderate size is sweetly perfumed. The color is retained better than in the older yellow varieties. Has superb glossy foliage, almost immune to disease. It is not a free bloomer, but each bloom is perfect when it comes.

Mme. Leon Pain—Entirely distinct in color, a silvery-salmon, with deeper orange-yellow shaded center, the reverse of the petals being a salmon-pink; flowers large, full and well formed; very free-flowering and a splendid bedding variety.

Mme. Second Weber—A grand Rose in every way. It is a vigorous grower, free-flowering, large, perfectly formed, cup-shaped, fragrant flowers of marvelous beauty. In color it is of that soft tone of salmon-pink which appeals to everyone.

Mrs. William C. Egan—An extremely vigorous strong healthy grower, with long, pointed buds of absolutely perfect form, that develop into flowers of good shape. In color it is a two-tone pink, the reverse of the petals a soft light pink, the interior deep flesh color with a golden line at the base of the petals; the flowers are carried on long stiff stems, and last in good condition for an unusually long time, either cut or on the plant; an exceptionally free and continuous bloomer.

Norman Lambert—A distinct color combination that is novel. The outside of the petals is a deep chrome-yellow with a marginal color effect of brilliant orange-scarlet merging to an irregular zone of burnt orange, the inside salmon-orange suffused bronze, shading to yellow at the base. The flowers are of medium size and form, delightfully fragrant and free-flowering. A splendid bedder.

William R. Smith (T.)—Large, double, creamy white flowers, with strong tints of pink and lilac, produced on long, wiry stems and lasting long when cut. The plant is spreading in growth and the foliage is exceptionally fine, of deep olive-green, thick and leathery, and exceptionally free from disease.

Price of the above, 75c each, \$7.00 per 12

CLIMBING ROSES—50c each

ALL TWO-YEAR-OLD FIELD GROWN—Postpaid

Climbing American Beauty—Early. Large, perfectly formed, rosy crimson, sweet-scented flowers on long stems. With the pruning out each year of the older canes, the plant continues permanently and increasingly a pleasure.

American Pillar (H. M.)—Without question, the finest single-flowered Climbing Rose in cultivation. Color clear, bright, rosy pink.

Cecil Brunner—Clusters of pretty pink flowers, especially beautiful in bud.

Crimson Rambler—This grand rose improves upon acquaintance; the better it is known the more popular it becomes. It is of rapid growth; attains a height of 15 feet in a season. Flowers in trusses, measuring 9 inches from base and 7 inches across, fairly covering the plant from the ground to the top.

Dorothy Perkins—Great clusters of pretty double pink flowers smothering the plant for a long season of the year. Elegant leathery foliage, impervious to mildew and hardy as an oak tree. This sort is now the most generally planted of this class of roses.

Gloire de Dijon (Cl. Nois.)—An old favorite, noted for its free flowering, its delicate tea scent and its shades of color, being a blending of amber.

Hiawatha (W. H.)—A beautiful single flowered variety, with flowers about one and one-half inches across, hanging in long pendulous sprays over the entire bush. Color brilliant ruby-eyed with a clear, white eye, the center of each flower filled with prominent yellow anthers, a striking and beautiful combination.

La France, Climbing—Loosely formed, globular flowers of silver-pink; highly perfumed. Continuous flowering and a climber of moderate vigor.

La Reve—A new yellow pillar rose of deep, unfading color, throwing out beautiful sprays in great abundance during June.

Climbing Los Angeles—A fine climbing form of the new Los Angeles. Shrimp pink and coral color.

Climbing Lady Hillington—The golden yellow flowers, the bronzy red foliage and the strong arching branches, make this the most desirable pillar and porch rose of its color.

Climbing Mme. Edouard Herriot—Brilliant coral-red buds and flaming flowers of orange-red and salmon. Moderate, climbing growth, and a continuous and liberal bloomer.

Climbing Mad. Caroline Testout—Immense globular flowers of the same beautiful shade of pink as seen in the bush sort.

Marchal Niel—Lovely buds and flowers of deep golden yellow; double and extremely fragrant. Strong growth and abundant bloom, but not freely recurrent.

Pauls Scarlet Climber—By all means the most brilliant rose known in any class because of its clear, vivid, shining scarlet in large semi-double flowers. These flowers never turn blue but retain their intense coloring until petals fall. Cannot be too heartily recommended as essential in any garden.

Silver Moon (H. W.)—A magnificent white climber; large, semi-double blooms of good substance, with golden stamens. Foliage is abundant, bronze-green, and is immune to mildew.

Sunburst (Cl. H. T.)—A climbing sport of that peer of yellow roses, Sunburst—the much-sought new French rose. A true pillar rose of strong growth, bearing freely; very large cadmium yellow flowers, beautiful either in bud or open flower.

Tausendschoen—Entirely distinct, not only in Ramblers, but in climbing Roses generally. The individual flowers are of a most elegant and graceful form, not stiff or unnatural, but as beautiful as a semi-double Azalea. In color it is a most delicate shade of soft pink when first opening, changing to carmine on the reverse of petals when fully expanded. These are produced in trusses, each truss a veritable bouquet.

Veilchenblau—Flowers reddish lilac, changing to amethyst and steel-blue, in great panicles.

CLIMBING ROSES—50c each

ALL TWO-YEAR-OLD FIELD GROWN—Postpaid

BABY RAMBLER AND POLYANTHA ROSES

A type of roses which grow only a foot or two high, bear large clusters of flowers possessing great lasting qualities, and are always in bloom. They are fine for massing in beds, for bordering large rose beds or planted singly on the lawn. Perfectly hardy.

Price 50c each—per dozen, \$5.00, postpaid

Crimson Baby Rambler—Has the same bright crimson color as the Climbing Crimson Rambler and blooms in clusters of 20 to 40 flowers at one time on plants of fair size. "Baby Rambler" is one of the best red roses for bedding.

Cecil Brunner (The Fairy, or Sweetheart Rose)—A Polyantha variety with dainty double little flowers of perfect form produced in many flowered, graceful sprays; color a soft rosy-pink on a rich creamy-white ground.

Erna Teschendorff—Deep crimson and extremely attractive in contrast or when planted in masses.

Greta Kluis—A lovely shade of deep carmine-pink, passing to glowing carmine-red, on a plant of excellent habit and continuous-blooming quality. A variety we most heartily commend.

Jessie—A dependable sort, producing continually bright cherry-crimson flowers which endure well on the plants. Particularly useful for massing because of its continuous-blooming habit.

Katharina Zeimet—Fragrant, double flowers of pure white in large clusters, producing decorative masses. The plant is compact, bushy, dwarf, furnished with good foliage, and is unusually hardy.

Miss Edith Cavell—By all means the best of its color, which is a brilliant scarlet held right through until the flowers drop off. They have no blue tendency. The plant is of vigorous and satisfactory blooming quality and the variety is notably good.

Triomphe Orléanais—Flowers large, for the class, of a bright cerise-red which is very lasting. A vigorous grower, bearing its blooms profusely in clusters.

Baby Tausendschoen—Dwarf Polyantha with its bountiful bouquets of creamy white saucer-shaped flowers. Every petal edged with rosy pink.

ABBREVIATIONS

T.—TEA—One of the best classes of Roses and truly ever blooming. They are hardy in this section, although during our coolest weather and in cold sections they should be protected with a covering of fir boughs, straw or burlap.

H. T.—HYBRID TEA—Most of these are as free flowering and as constant bloomers as the teas, and are harder, stronger growers.

H. P.—HYBRID PERPETUAL—The hardest of all roses, vigorous in growth, free blooming.

PEAT MOSS NATURE'S SOIL IMPROVER

The ideal all year rose mulch. Large bale of 8 bushels

\$3:00 Per Bale, F. O. B. Portland

FOR STORING DAHLIAS AND OTHER TUBERS

Dahlias and other tubers may be safely stored over Winter in Peat Moss. Place a layer of Peat Moss on the bottom of a box, basket or barrel. On this place a layer of tubers. Then add another layer, continuing until the container is full, having a thick layer of Peat Moss over the top. Kept in a cool place where the Peat Moss will not dry out, the tubers will keep perfectly until Spring. Where the material dries out it may be dampened moderately.

STANDARD OR TREE ROSES



\$2.50 each

These differ from the ordinary bush, in that it has an upright stem several feet in height. These have been very scarce this year. We can supply the following varieties. See general list for descriptions. Each \$2.50.

CANNOT BE SENT

BY PARCEL POST

Baby Crimson Rambler
Baby Edith Cavell
Columbia
Constance
Dorothy Perkins
Duchess of Wellington
Frau Karl Druschki
J. B. Clarke
General MacArthur
Golden Emblem
Hoosier Beauty
Kaiserin Aug. Victoria
Los Angeles
Mme. Butterfly
Mme. Ed. Herriot
Ophelia
Ulrich Brunner

TREATMENT ON ARRIVAL

If upon arrival the roots seem to be very dry, soak them thoroughly in water; if the stems as well are too dry, bury the entire plant in the ground for two or three days. At no time after unpacking should the roots be exposed to the sun or dry winds, a very little neglect at this time working serious if not fatal injury to the bush.

PLANTING

In preparing a Rose Bed, select a sunny location guarded from cold north winds, if possible. Dig out the beds to a depth of two or three feet and about three feet in width; then refill the trench with a mixture of soil (any good fertile soil will do) and well rotted cow manure, making provision for good drainage if location is not naturally drained. Time should be allowed for this filling to settle, the final top surface being an inch or two below the edges of the bed. Do not raise the surface of Rose beds above the surrounding surface. They suffer less from drought when left level with the turf. Plant your Roses in the center, being very particular to press and tamp the soil firmly around the roots and soaking the bed thoroughly at the finish. The Everbloomingers may be set 18 inches apart, the Hybrid Perpetuals about 2 feet. After the plants have been set out, keep the soil loose to the depth of an inch or two, by frequent stirrings. An occasional soaking with weak manure water is a great help to Roses of all sorts, and is especially active during the blooming season. Towards the end of July, a mulch of long-strawed manure will aid in preserving what moisture is in the soil during the customary droughts of the "Dog Days."

ORDER YOUR ROSES

early, we will send them just as soon as the weather will permit and the right time to plant them.

FRUIT TREE DEPARTMENT

OUR SHIPPING SEASON for the above is from November 1 to April 1. Some seasons May 1, although it is too late for best results. We advise late fall or early spring planting while stock is dormant.

HOW WE SHIP—

BY FREIGHT OR EXPRESS. Every article not specially priced is priced for delivery by Freight or Express, packed free, but customer to pay transportation charges. All heavy trees in large quantities should be sent by freight if time is not too urgent, as the carrying charge is much less; and our perfect packing admits a long journey without injury to the trees.

FRUIT TREES BY MAIL. "Mail Size." If you wish these sent by parcel post add 10c per tree for postage and packing. All one-year-old trees, vines, etc., well rooted, cut back to suitable size, guaranteed to reach you in good condition. Those wishing to save freight or express charges on long distance shipments, to plant young thrifty stock and train according to their own requirements, will find this size admirably suited to their needs.

POSITIVELY NO NURSERY STOCK SENT C. O. D

IMPORTANT. Unpack and examine all packages on arrival, and if roots are dry, give a good soaking with water. Never let trees lie about with their roots exposed to the air. If several have to be planted, open a trench and "heel in" the roots and then plant at your leisure.

HINTS ON TRANSPLANTING

1. Do not allow roots to be exposed to the sun, drying winds, or frost.
2. Prune, with a sharp, clean cut, any broken or injured roots.
3. Have the holes dug large enough to admit all the roots without cramping.
4. Plant in fine loam, enriched with thoroughly decomposed manure.
5. Do not allow any green unfermented manure to come in contact with roots.
6. Spread out the roots in their natural position, and work fine loam in among them, making it firm and compact.
7. Do not plant too deep. Let upper roots be set an inch lower than before.
8. Remove all broken branches, and cut back at least one-half of the previous year's growth of wood.
9. If the season lacks the usual rainfall, water thoroughly twice a week.
10. After culture! Keep soil in a good degree of fertility. Mulching the trees in Autumn with manure is beneficial.

APPLES

Unless otherwise priced	Each	Per 10	100
One year, 3 to 4 feet.....	\$0.50	\$4.50	\$30.00
One year, 4 to 6 feet.....	.60	5.50	40.00
Selected trees.....	.75-1.00		

Write for our low prices per 1000.

Summer

Red Astrachan—Large, deep crimson, white flesh.

Red June—Medium, oblong, deep red.

Early Harvest—Medium, bright straw color.

Yellow Transparent—Medium, roundish, pale yellow.

Duchess of Oldenburg—Large, yellow, streaked with red.

Age of Bearing—Distance to Plant

As the age of bearing depends so much upon variety, soil, climatic conditions and care given, this can only be an approximate table under average conditions. To ascertain the number of trees or plants required for any given space, multiply the length of the space by the breadth to ascertain the number of square feet contained therein. Then multiply the distance apart you intend to set your rows by the distance between each tree or plant in the row to get the number of square feet each tree or plant will take. Divide the number of square feet in the given space by the number of square feet each tree will require and the result is the quantity of trees or plants for that given space.

	Age of Bearing	Distance Apart	Number per Acre
Apples, Standard.....	3 to 6 years	35x35 ft.	35
Apriots.....	3 years	15x15 ft.	193
Blackberries.....	1 year	8x 6 ft.	907
Cherries—			
Sour.....	3 to 4 years	15x15 ft.	193
Sweet.....	3 to 4 years	20x20 ft.	108
Currants.....	2 years	4x 4 ft.	2722
Gooseberries.....	2 years	4x 4 ft.	2722
Grape.....	2 years	8x 8 ft.	680
Peaches.....	2 years	15x15 ft.	193
Pears—			
Standard.....	3 to 4 years	20x20 ft.	108
Dwarf.....	2 years	10x10 ft.	435
Plums.....	3 to 4 years	20x20 ft.	108
Quinces.....	4 to 5 years	10x10 ft.	435
Raspberries.....	1 year	6x 4 ft.	1815
Rhubarb.....	1 year	4x 3 ft.	3630
Strawberries—			
Farm.....	1 year	4x 1 ft.	10890
Garden.....	1 year	2x 1 ft.	21780

APPLES—Autumn

Alexander—Large, greenish yellow, streaked with red.
Fameuse—Medium greenish yellow, streaked with red.
Gravenstein—Large, beautifully dashed with red and orange.

Maiden's Blush—Medium, yellow, red cheek.

Red Beitigheimer—Very large, cream colored, covered with crimson.

Waxen—Medium, pale yellow.

APPLES—Winter

Baldwin—Large, deep bright red.

Arkansas Black—Medium, dark maroon.

Ben Davis—Medium, yellowish covered with red.

Delicious—One of the best.

King—Very large, yellowish shaded with red.

Jonathan—Medium, light yellow, covered with red stripes.

Spitzenburg—Large, yellowish, broken with stripes of bright red.

Northern Spy—Large, greenish yellow, covered with purplish red stripes.

Tolman's Sweet—Medium, whitish yellow, slightly tinged red.

Wealthy—Medium, whitish yellow, shaded deep red.

Winesap—Medium, yellow, streaked red.

Rome Beauty—Large, yellow, shaded with bright red.

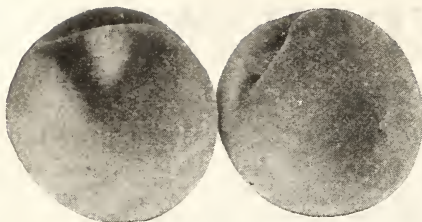
Yellow Bellflower—Large, yellow.

Yellow Newtown Pippin—Large, smooth, golden yellow.

Winter Banana—Yellow, blush cheek, sub-acid, medium size.

Bismark—The apple novelty; everyone should try it; tree of short, stocky growth, thick, healthy foliage; fruit large, handsome, yellowish, sometimes shaded red cheek; flesh tender, pleasantly sub-acid; entirely new; seldom failing to bear when two years old.





THE LEWIS APRICOT

CHERRIES

Unless otherwise priced	Each	Per 10	100
One year, 3 to 4 ft.	\$.75	\$7.00	\$50.00
One year, 4 to 6 ft.	1.00	10.00	75.00
Selected trees.	1.50	10.00	



Royal Ann (Napoleon Big-arreau)—A magnificent cherry of the largest size; pale yellow, becoming amber in the shade; richly dotted and spotted with deep red and with a bright red cheek; flesh very firm, juicy and sweet; tree a rapid grower and immense bearer. (Early July.)

Lambert—Fruit of largest size and of fine quality; color deep, rich red; flesh firm and of fine flavor; a fine market variety; ripens two weeks later than Royal Ann.

Montmorency—Large, sour fruit, similar though larger than the Early Richmond; quite hardy. May.

May Duke—Medium size, dark red; flesh tender, juicy and sub-acid; an excellent variety, and one of the earliest of its class.

Bing—Originated in Oregon; fruit large, dark brown or black; very fine; late; a good shipping variety.

Kentish (Early Richmond)—Light red, juicy; one of the best acid cherries and unsurpassed for cooking purposes; very productive.

Tartarian—The very finest cherry to eat fresh. Large bright purplish black; flesh rich and very juicy. A vigorous erect tree bearing abundantly every year. Brings high prices in the fresh fruit markets because it comes in early. A good pollinizer for the other sweet cherries we list and should be included in every planting. Early June.

PRUNES



Sugar—Vigorous grower; fruit large and dries quickly; flesh tender and rich in sugar; color dark purple. August.

APRICOTS

	Each	Per 10	100
4 to 5 feet.	\$0.75	\$6.50	\$50.00
3 to 4 feet. ....	.50	4.50	40.00

Moorpark—Very large, yellowish green, shaded brown.

Breda—Medium, orange color.

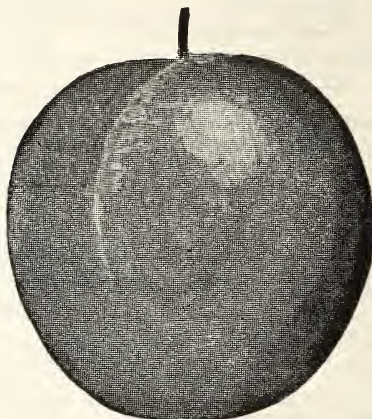
Tilton—Large, rich color.

Royal—Above medium, rich and juicy.

The Lewis—The new Lewis Apricot is the largest, strongest growing, best yielding, best flavored apricot we have ever seen, and is perfectly hardy.

PEACHES

Unless otherwise priced	Each	Per 10	100
One year, 3 to 4 feet.	\$0.75	\$6.00	Write
Selected trees.	1.00	8.00	Write



J. H. Hale—A valuable table, shipping and drying peach. Smooth skin, almost fuzzless. Very firm. Ships almost like an apple. Yellow freestone; flesh tender, excellent quality. Larger than the Elberta and ripening about the same period.

Elberta—Very large, bright yellow, red cheek; flesh yellow; juicy, sweet; regular bearer; fruit very showy and perfect; freestone; early.

Early Crawford—Very large, yellow; with red cheek; flesh sweet and excellent. Our most popular peach for table and canning; freestone.

Late Crawford—Very large, roundish; yellow, with dark red cheeks; flesh deep yellow, juicy and melting; flavor rich and excellent; very popular; valuable for canning and drying; freestone.

Mayflower—Beautiful red all over; extremely early; tree hardy and healthy. Last of June. Freestone.

Tuscan Cling—Very large; yellow, blushed red. Vigorous; strong grower. July, August.

PRUNES

Unless otherwise priced	Each	Per 10	100
One year, 3 to 4 feet.	\$0.50	\$3.00	\$20.00
One year, 4 to 6 feet. ....	.50	4.00	30.00
Selected trees.	75c-1.00		

Italian (Fallenberg)—Medium, oval tapering at both ends; dark purple; flesh greenish yellow; separates freely from the stone; best for drying. Most popular.

Improved Petite—Medium size, egg-shaped; violet purple; sweet, rich and sugary; very productive; good fresh and for drying.

Silver—Very large.

Hungarian—Very large, dark red.

Giant—The largest, dark crimson.

New Standard—(Burbank Production)—The trees are enormous and never failing bearers, and good, healthy growers. Well grown fruits measure four and a half inches around one way by nearly six inches the long way. Skin purple, with a heavy blue bloom; flesh amber or honey yellow, fine grained, juicy, yet firmer than most other drying prunes, very sweet and a perfect freestone.

PLUMS

Unless otherwise priced	Each	Per 10	100
One year, 3 to 4 feet.....	\$0.75	\$6.00	\$35.00
One year, 4 to 6 feet.....	1.00	7.50	45.00
Selected trees.....	\$1.00-2.00		

Prinlew—A valuable new variety, produced by H. A. Lewis. A heavy and sure cropper. Plums of large size; skin yellow, overspread with bright red when fully ripe; a handsome looking plum and the rich, golden flesh is firm, but juicy; fine grained and most delicious of all, either raw or cooked. It's good as a peach. Stands handling and shipping well. Ripe in August. If you only have room for one plum, plant a Prinlew.



Satsuma—(Blood Plum)—Quite popular; large, dark red from skin to pit, which is small, firm and juicy; tree productive. Early July.

Damson—Shropshire—Medium size, dark purple; firm; flesh greenish, juicy and rich. Vigorous. Late September.

Abundance—Large, flesh yellow, early.

Bradshaw—Large, reddish, purple.

Columbia—Large, brownish, purple.

Clyman—Medium, mottled, reddish purple.

Damson—Small, skin purple, oval.

Green Gage—Small, round, green flesh.

Peach—Large, brownish red, flesh yellow.

Reine Claud—Large, greenish, marked red.

Washington—Large, dull yellow with crimson blush.

Yellow Egg—Large, deep golden yellow.

QUINCE

One year old.....	\$1.00 each
Selected trees.....	1.25 each

Orange—Large golden.

Champion—Very large, bright yellow.

Pineapple—Flavor is suggestive of the pineapple; the fruit resembles the orange quince; making superior jelly; can be eaten raw and has a most exquisite and delicious flavor, not equaled by any other quince. September.

CURRANTS

Low prices by the thousand.

Each 20c; 10 \$1.75; 100 \$12.50

Perfection—New; largest and most prolific currant; bright red, rich flavor, mild sub-acid; no currant can approach in yield or quality this wonderful new currant.

Cherry—Very large, deep red, fine for preserving; valuable market variety.

Fay's Prolific—Bright red, very sweet, stems longer than Cherry and fruit hangs on better than most varieties. To be planted with Cherry.

GOOSEBERRIES

Each 20c; 10 \$1.75; 100 \$12.50

Oregon Champion—Berries large, round and pale green; fine for table use and pies, hardy, strong and a very prolific bearer; most popular and best commercial variety. Low prices by the thousand. Write.

PEARS

	Each	Per 10	100
First Grade, 1 year, 4 to 6 feet...	\$1.00	\$8.50	\$60.00
First Grade, 1 year, 3 to 4 feet...	.75	6.50	45.00

F.O.B. Portland; if mailed, postage extra.

AUTUMN
VARIETIES

Bartlett—Large; skin thin, clear, lemon-yellow, with soft blush on the sunny side; flesh white, buttery, very juicy and highly flavored; the best summer pear in existence. August, September.

Bourre Bosc—Large, beautiful, russet; highly flavored; fine for shipping. September.

Bourre D'Anjou—Large, handsome, fine flavor; tree vigorous; heavy bearer; keeps till Christmas. September.

Comice—A splendid commercial variety, being of fine size; good appearance; ships well. October.

Fall Butter—A favorite fall pear; yellow, sweet and juicy. September.

Flemish Beauty—Large, beautiful, rich and sweet; pale yellow with slight russet. Adapted to Montana and the Northwest.

Seckel—Rich and highly flavored; its highly concentrated, spicy, honey flavor is unequalled; skin brownish green, russet brown cheek. September, October.

WINTER VARIETIES

P. Barry—Fine keeper. Very large, juicy, fine grained, yellow. December, March.

Winter Bartlett—This fine pear originated in Eugene, Oregon. Fruit large, closely resembling the famous Bartlett in shape and appearance, but ripening considerably later; flavor almost identical with the Bartlett; is undoubtedly one of the few pears of recent introduction of real merit.

Winter Nellis—Medium; skin yellowish green, dotted with gray russet; flesh yellowish white; fine grained, of a rich saccharine, aromatic flavor. December.

NECTARINES

Selected Trees 75c Each

Boston—Large, deep yellow, bright flush; flesh yellow; very rich and luscious. Best for Oregon. August 1.

Early Violet—Medium; skin pale, shaded violet; flesh white; good. July.

CRAB APPLES

Price, 75c each

Florence—Red striped; early, juicy and crisp; fine for home gardens. September 1.

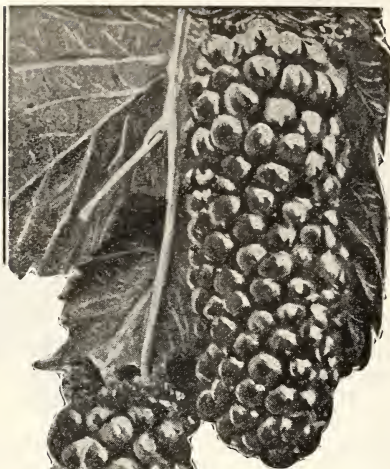
Red Siberian—Yellow with scarlet cheek. Bears young and abundantly. September.

Transcendent—Very large, good for cider; yellow striped red. Adapted to Montana. September.

How to Prune Fruit Trees

For the home orchard, the trees should be gone over once each season and where limbs are crowding, they should be thinned out enough so that they do not rub or interfere one with the other. Best results are usually obtained when this is done in late winter or early spring. All cuts should be made smooth with the shoulder which extends slightly out from the body. Do not leave any stubs, but cut close up to the shoulder.

Do not trim lower limbs off to make high headed trees. Low, compact heads stand the windy conditions of the Northwest better than high open-topped trees. Just use common sense in thinning out the limbs, cutting out the most undesirable, where two limbs are interfering one with another. Heavy later pruning can be avoided if care is taken the first two seasons after planting, to see that the heads are properly formed. It is important to get the right frame limbs for the tree right at the start. If this is properly done, less later pruning will be required.

**CORY THORNTLESS BLACKBERRY**

The berries often measure $2\frac{1}{2}$ inches in length, have a small core and are almost seedless. The flavor is like the wild berry, but they are richer and sweeter than other blackberries, yet are acid enough to make the finest of jelly. No thorns, thereby easier and quicker picked, more productive, more profitable; of trailing nature. Plant eight feet apart in rows seven feet across.

Prices Cory Thornless Blackberry

Each, postpaid	\$0.20
Per 10, prepaid	1.75
Per 100, prepaid	15.00

BLACKBERRIES

Lawton—Fruit large, very productive, well and favorably known; Oregon's most popular kind.

Evergreen—An Oregon introduction; beautiful lacinated foliage, which it retains all winter; berries long, black, sweet, rich and delicious; ripens from July to November.

Himalaya Giant—An exceedingly strong, rampant grower of a trailing nature; everbearing; an enormous yielder. The berries are large, juicy, coreless, sweet and firm, with a delicious aromatic flavor.

	Each	Per 10	100
Price	\$0.20	\$1.50	\$10.00

Iceberg, the White Blackberry

Strange as it may seem, this is a real creamy white Blackberry. Mixed with the jet black ones for dessert it makes a most wonderful dish. The fruit is about the size of Snyder with few seeds and quite sweet when fully ripe. The bushes are good strong growers and very productive. This is not a worthless novelty but a fruit of real value, and should be in every garden.

Price, 15c each; \$1.50 per dozen

DEWBERRY

Lucretia—Fruit ripens between the raspberry and blackberry. Berries large, handsome, sweet and luscious; trailing vines. **STRONG PLANTS.** Each 25c; per doz. \$2.50; 100, \$12.50; 1000, price on request.

LOGANBERRY

In great demand again for canning and drying. An exceedingly strong grower and an enormous bearer. Color dark red. Has a pleasant, vinous flavor, delicious and peculiar to this berry alone; fruit ripens early. It is excellent for the table, eaten raw or stewed, and for jelly, jam or "juices," is without an equal.

Transplants (2 year, extra strong)—Prices, each 25c; doz. \$2.25, postpaid. Not prepaid, each 20c; doz. \$2.00; 100, \$15.00.

YELLOW RASPBERRIES

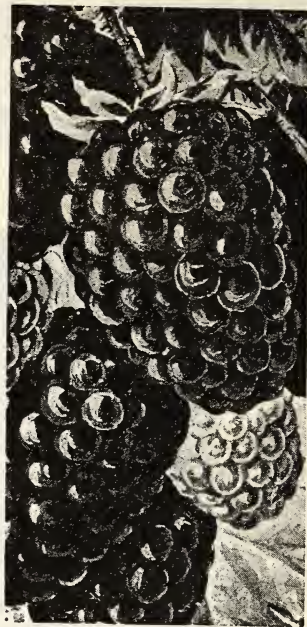
Golden Queen—A beautiful, large golden yellow berry, seedling of the Cuthbert and surpassing that variety in size, berries, quality and adaptability. Canes hardy, of strongest growth, productive. Should be in every garden, its beauty and high quality placing it at the head for table use. By mail. Price, each, 15c; per 10, \$1.25, postpaid.

YOUNGBERRY

Said to be a cross between the Loganberry and the Dewberry. An exceptionally fine flavored, very productive berry. Bears early and commands the highest market prices. The fruit colors well and is exceptionally sweet and large. Color, jet black. Ten plants of this variety will make a row eighty feet long, which will produce an astonishing amount of the finest berries you ever saw. They will be a delight to you and your friends.

They are very strong growers and should be trellised. A very simple trellis, consisting of two wires (the lower one $2\frac{1}{2}$ feet from the ground and the upper wire about 4 feet) is all that is required. Plant eight feet apart in rows seven feet across. About 800 plants per acre.

Prices—Each, 20c; 10, \$1.75; 25, \$3.00; 50, \$5.00; 100, \$10.00.



Youngberry—Actual Size

RED RASPBERRIES

Cuthbert ("Queen of the Market.")—A remarkably strong, hardy variety; standing the northern winter and southern summers equal to any. Very large, conical berries, so firm they can be shipped hundreds of miles by rail in good condition; flavor is sweet, rich and luscious. The leading market variety for main crop.

Marlboro—Very large and earlier than Cuthbert; beautiful, bright scarlet; good quality; hardy and productive.

Special low prices by the thousand. Write

	Each	Per 10	100
1 year	\$0.15	\$0.75	\$3.00

Red Raspberry—Everbearing

La France is a rapid, vigorous grower. The berries are firm, twice the size of most; beautiful color, fragrant and delicious in flavor all season long.

1 year

St. Regis Raspberry—Everbearing

Fruit commences to ripen with the earliest and continuing on young canes until October, many quarts often being picked after the first snow fall. Berries bright crimson, large size, rich, sugary with full raspberry flavor. Flesh firm and meaty, a good shipper. Wonderfully prolific. Canes stocky, of strong growth, with abundance of dark green leathery foliage.

Each 15c; per 10, \$1.25, Postpaid

Black Raspberries

Cumberland—A healthy, vigorous grower, throwing up stout, stocky, well branched canes that produce immense crops. Fruit very profitable; large, firm, quality about same as Gregg, keeps and ships as well as any of the blacks. Mid-season.

Gregg—Of good size, fine quality, very productive and hardy. Takes same position among black caps as Cuthbert among the red sorts.

Plum Farmer—Large, black, hardy and productive. One of the very best.

	Each	Per 10	100
2 years	\$0.25	\$2.25	\$20.00
1 year .....	.20	1.50	12.50

WE DO NOT SELL STRAWBERRY PLANTS

NUT TREES



GRAPES

The grape is the easiest of all fruits to grow. The plants take little room, they thrive despite neglect and every year they produce their wealth of beautiful, health-giving fruit. With its roots in any old nook you can lead it away in any direction to provide a grateful shade for the pump, or for a restful seat, a border for a walk or climbing on the wall or house—East, West, North or South, on hill or in valley, on poor soil or rich, the grape grows, thrives, bears; it never disappoints. Plant a few vines or a large vineyard—make your own grape juice—jams, marmalades, jelly; and have plenty to eat fresh from your own vines.

One-year-old, each 25c

Brighton—Bright red, heavily shouldered; large bunch; one of the sweetest and most delicious. Known everywhere. Ripens before Worden. It adapts itself to most any soil, is always productive; a good strong growing, hardy vine, should be planted with other sorts for pollination. Worden and Concord are ideal for this purpose.

Campbell's Early—Berries large, nearly round, black, with light purple bloom; flesh rather firm but tender; quality rich, sweet, slightly vinous; a strong and vigorous grower. August.

Concord—Large, black grape; bunches compact; berries round, sweet and pleasant. August.

Delaware—One of the finest of our native grapes; grows freely and is perfectly hardy; ripens early; berries small, light red. August.

Lucile—Early red. A dark red grape, medium to large berry and bunch, excellent quality, keeps well and ships well. In vigor, health, hardiness, productiveness, it is surpassed by no other variety, and it is practically immune to dangerous diseases. It is one of the most beautiful hardy grapes and it sells at high prices. Should be in every home vineyard.

Moore's Early—Bunch medium; berry large, resembling Concord, but more pulp and is earlier.

Niagara—Bunch medium; berry large, roundish, uniform; skin thin but tough; pale yellow; flesh tender and sweet; vine vigorous and productive; one of the best white grapes. September.

Worden—Bunch very large and compact; berry large, black; an improved Concord. Late August.



GRAFTED WALNUTS

We offer a splendid strain of Franquettes, the best variety for this section, grafted on four-year California Black Walnut—sturdy, thrifty trees with big fibrous roots. The best to plant. Comes to bearing much younger than seedling walnut.

Trees one and two years from the graft on three and four-year-old roots:

These are all too large to be sent by parcel post.

Size	Each	Dozen lots	Hundred lots
8 to 10 feet	\$1.60	\$1.50	\$1.40
6 to 8 feet	1.40	1.30	1.20
4 to 6 feet	1.20	1.10	1.00



FILBERTS

Plant more of them

Barcelona—Magnificent large nut from Spain, first quality; can be grown as low standard tree or bush. 2 to 3 feet. Each 75c; 10, \$5.00

Du Chilly—The largest Filbert on Pacific Coast. Nuts are broad, 1 inch by $\frac{3}{4}$ of an inch; full fleshed and sweet; best grown as low standard. Special prices on large orders. Du Chilly is a good pollinizer for Barcelona. 2 to 3 feet. Each 75c; 10, \$5.00

ALMOND (Nut Bearing)

	Each	Per 10
3 to 5 feet	\$0.75	\$6.00

I. X. L.

A vigorous grower and sure cropper, producing nuts of large size and handsome appearance; shell thin; most popular commercial.

BUTTERNUT

A beautifully formed tree bearing a rough coated nut of most attractive flavor, well known to the middle West. Succeeds fairly well in the Pacific States. Price, each \$1.50

CHESTNUT

	Each	Per 10
3 to 5 feet	\$0.75	\$6.00

American Sweet—Makes a handsome shade tree; full medium size, sweet and well flavored.

Spanish—A valuable species both for ornamental use and fruit. It forms a handsome lawn tree and produces much larger fruit than the average American variety.

MAMMOTH JAPANESE

A variety we import from Japan; yields much the best and largest fruit.

If you are interested in Grafted Chestnuts write us.

HICKORY

Shellbark—Popular Eastern variety; tree hardy but slow grower. Nuts medium size; very good. Quality excellent. 3 to 5 feet. Each \$2.00; 10, \$15.00

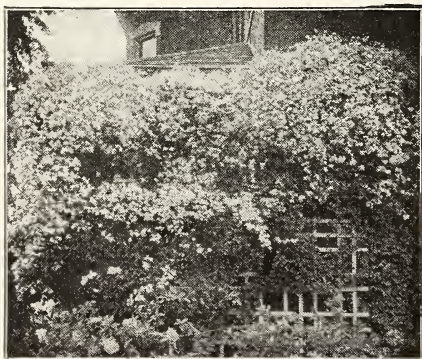
ORNAMENTAL CLIMBING VINES



CINNAMON VINES

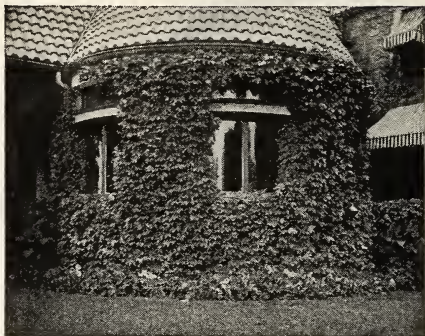
Are the most desirable, easiest grown climbers in the world. They are from China—the land of wonders. Their abundant blossoms perfume the air for a long distance. No words can describe their delicious fragrance. Perfectly hardy—thriving in all soils, in sun or shade, wet or dry. No insects, blight or disease of any kind ever troubles them, no winter harms. Once planted they will grow a lifetime.

Each 25c; five for \$1.00, postpaid



CLEMATIS

Clematis Paniculata—A rapid and vigorous grower; it produces sheets of medium sized, pure white flowers of the most pleasing fragrance; well adapted for covering trellises or fences. Choice plants, 50c; extra fine, 75c



BOSTON IVY

AMPELOPSIS

Veitchi (Boston Ivy)—The most popular and desirable climbing plant for covering brick, stone or cement walls, etc. Clings to the smoothest surface. Foliage rich olive green during the summer, bright crimson and scarlet in the fall. Strong plants, 50c to 60c; extra strong, 75c to \$1.00.

Quinquefolia (Virginia Creeper, or American Ivy)—One of the best and quickest growing varieties for covering trellises, arbors, etc. Its large deep green foliage assumes brilliant shades of yellow, crimson and scarlet in the fall. Strong plants, 50c to 60c; extra strong, 75c to \$1.00.

HONEYSUCKLE

A beautiful climber, rapid grower and very desirable. Flowers very fragrant.

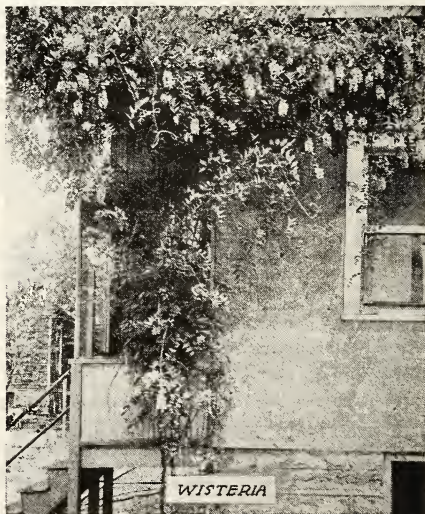
Your choice of the following, 60c to 75c each; extra strong, \$1.00.

Halleana—Very popular; almost evergreen; flowers white, passing to yellow.

Belgica (Monthly Fragrant)—Flowers are large; color red and yellow.

IVY EVERGREEN

Common English—Thick, leathery evergreen leaves. Strong grower. Good roots. Each 25c; large, 50c



WISTARIAS

The strongest growing of all hardy vines, easily reaching the roof of a two-story building in a few years if given a chance to climb. (See cut.) Flowers appear with the first leaves late in the spring.

Sinesis—Purple or white; strong vines.

Each \$1.50 to \$2.00

LAWN GRASS



SUGGESTIONS FOR MAKING AND CARE OF LAWNS

It must not be supposed that by sowing grass seeds at any season of the year in soil of any character, and in any state of cultivation or neglect, a durable, attractive turf is to be formed. From the beginning the lawn is both troublesome and expensive, and even when obtained, it is like liberty, preserved only by "eternal vigilance." The coarser natural grasses and weeds will take possession unless kept down, and wherever, from any cause, a bare spot is formed it will rapidly enlarge unless repaired.

A good foundation must be secured, or the rest of the work will be entirely wasted, and too great care cannot be exercised, since the roots must be able to penetrate quite 18 inches in order to keep the grasses growing through the scorching days of July, August and September, if the ground is not already very rich, give a liberal application of fertilizer, avoiding the use of stable manure, as it invariably contains seeds of weeds and noxious grasses. Bone meal never produces the "burned" appearance so often noticed after the use of ammoniated fertilizers. Harrow or rake the surface to the finest possible condition and roll until all elevations and depressions have been removed.

Rake the seeds in lightly, following with a roller of medium weight, a firmly rolled surface being absolutely necessary if the ground be dry; small areas may readily be packed firm by the back of a spade. Sowings made in the Fall, from the first of September to the middle of October, are most successful, but if deferred until Spring, sowings may be made in February, March and April.

When the grass is well set, about 4 inches high, it should be cut with a sickle or mown with the machine set to avoid cutting too closely, 2 inches at least being left above the root. After then a cutting every ten days and an occasional rolling will make the grass finer, strengthen the turf and keep all rank-growing weeds in check. In the heat of Summer the mower should be arranged so as to leave ample protection to the roots. An occasional saturation is much better than the daily sprinkling commonly thought beneficial. If bare spots appear they must be patched up by breaking the ground about 10 inches deep, smoothing the surface and raking in double the usual allowance of seed. To maintain the vigor and color of the grass a light top dressing of bone meal two or three times a year is advisable. Liberal applications of Grozit Brand sheep manure are very beneficial and will give your lawn that rich, velvety appearance that is so much admired by everyone.

For quick results apply a light dressing of Vigoro or Sulphate of Ammonia.

BUTZER'S FANCY LAWN GRASS SEED

It is the easiest thing in the world to grow a beautiful lawn. There is nothing that gives quicker growth and a thicker sod than Butzer's Fancy Lawn Grass Mixture. It produces a perfect and enduring lawn of luxuriant richness, with closely interwoven, firm, elastic turf, and is often ready for mowing four weeks from sowing. This Lawn Grass is composed of a combination of various native and foreign, fine-leaved, deep-rooting grasses of interweaving habit, that flourish under our varied conditions, soils and climates, growing during different seasons of the year, so that a deep green, smooth and velvety sward, free from clumps, is maintained from Spring to Winter, year after year, and without burning brown in Summer.

Whether you want to seed a small grass plot in your yard or a lawn of more pretentious size, you should use Butzer's Fancy Lawn Grass Seed. Sow 1 lb. to 400 square feet.

Price per lb. 60c, postpaid

BUTZER'S SHADY LAWN GRASS SEED

For sowing on the north side of buildings, between houses, and for securing a lawn under large shade trees

In many lawns there are places which seem as if nothing can be grown; some are shaded by large trees and others by buildings. For these locations we have offered for some time our Butzer's Shady Lawn Grass Seed, which readily meets the desired requirement.

Price per lb. 75c, postpaid

LAWN GRASS—Continued

CREEPING BENT GRASS

(*Agrostis Stolonifera*.) Distinctive on account of its compact, creeping, rooting stems. Of rapid growth and spreading habit, forming a strong, durable turf. Good for lawns and putting greens because of its fine texture. If sown alone, use 50 lbs. to the acre. Write for price.

SEASIDE BENT

The long creeping stems and spreading habit of this splendid grass make it ideal for Putting Greens; it makes a lasting turf that withstands hard usage.

The leaves are fine and it develops a dense growth, making it valuable. Write for price.

CHEWING FESCUE

A low-growing grass, fine leaved, forms a close turf that prevents ingress of weeds, permanent in all kinds of soils, even the lightest and driest; unexcelled for lawns and golf courses when properly grown. Write for price.

Crested Dog Tail—(*Cynodurus cristatus*)—A valuable addition for lawn grasses which require close cutting and an adaptability to resist tramping, as in golf links, etc.; about 21 pounds to the bushel. Write for price.

Canadian Blue Grass—(*Poa compressa*)—Recommended in all pasture mixtures on dry soil; thrives well on clay or hard trodden and poor soil. Sow 28 pounds per acre. Write for price.

Kentucky Blue Grass—(*Poa pratensis*)—As is well known, this is the grass for which the State of Kentucky is famous. Although it is preeminently a pasture grass, it is frequently used in making lawns. When Kentucky Blue Grass is used for lawn purposes, the seed is generally sown at the rate of 30 to 40 lbs. to the acre. If White Dutch Clover is desired, this seed should be added at the rate of about $\frac{1}{2}$ pound to every 15 pounds of grass seed. Write for price.

Red, or Creeping Fescue (*Festuca rubra*.)—Red Fescue is adapted to about the same general climatic conditions as Blue Grass and can be grown as far northward as any agriculture is possible. Its leaves are bright green and the plant does not grow in tufts but creeps by underground stems, so that one plant may eventually cover a circle two to four feet in diameter. It is used mainly as a lawn plant. On sandy or gravelly soil it makes exquisite lawns. It will withstand more shade than most grasses and is therefore valuable for shady lawns. Write for price.



ORCHARD GRASS.

GRASS AND FIELD SEEDS

Our Grass Seeds are purchased by us from the best possible source for reliability. Owing to the frequent fluctuation of the market, we cannot quote prices. Write us for prices.

Alfalfa, Grimm
Alfalfa, Dry Land
Clover, Ladino
Clover, White
Clover, Medium Red
Clover, Mammoth Red
Clover, Alsike
Clover, Sweet
Canadian Blue Grass
Kentucky Blue Grass
Creeping Bent
Crested Dogtail
Chewing Fescue
Bromus Inermis
Orchard Grass
Red Top
Reed Canary
Rye Grass
Timothy
Meadow Fescue
Sheep Fescue

Mesquite
Millet
Tall Meadow Oat
Wood Meadow
Poa Bulbosa
Pasture Mixture
Vetches
Rye
Oats

We do not sell

WHEAT

or

BARLEY

for

SEED

BRUSH PASTURE MIXTURE



RED TOP GRASS.

The modern farmer and stockman does not dig grubs and stumps from brush lands; the expense of muscle and money is too great to warrant the cost. After the wood from such lands has been cut and sold, he seeds the field to tame grasses and clovers which soon take possession of the soil, when it is pastured with sheep, horses and other stock. During the time of pasturing the roots and stumps will decay and thus the brush lands are made profitable from the beginning at very low cost. Write for price



PRICES
on the seeds
of Alfalfa,
Clovers,
Grasses,
Grains, etc.,
change with
market val-
ues, which
prevents our
pricing them
in this
catalog.
Let us quote
you the low-
est market
price, when
you are ready
to buy.

We have no
**COW-
PEAS
KAFFIR
CORN
SUGAR-
CANE
SEED**
to offer.

RAPE

Dwarf Essex for Sowing—This is by far the best variety of Rape for forage. It is very valuable not only for green feeding purposes, but is of importance to the fruit grower as a cover-crop, and it affords excellent pasturage for hogs and sheep late in the season. The plant of Dwarf Essex resembles at first the Ruta Baga, but the tops become very large and leafy.

Dwarf Essex thrives best in cool weather. Ground should be prepared same as for turnips. Sow in June or July, with a turnip drill, in rows two and one-half feet apart, at the rate of two and one-half pounds of seed per acre. It is some times sown with spring grain, to provide fall pasture after the grain is cut; also sown at the last cultivation of corn. It may be sown broadcast, either with other fall forage crops or by itself, using from one to five pounds of seed per acre.

Lb. 25c, postpaid. For larger quantities, inquire for prices.

WE DO NOT SELL WHEAT OR BARLEY FOR SEED SUNFLOWER

Large Russian—This has very large single heads borne at the top of a single unbranched stalk usually, and with much more and larger seed than the common sorts. It is used extensively for feeding poultry. The plant often grows 10 feet high. Sow seed as soon as ground is fit for planting corn, in rows 3 to 4 feet apart and 10 inches apart in row. Cultivate same as corn. When the seed is ripe and hard, cut off the heads and pile loosely in any airy dry place where they will soon cure so as to be threshed out and cleaned. This variety will yield 1,000 pounds or more of seed per acre. Some species are planted largely in the flower garden for ornament. (See Flower Seeds under *Helianthus*.)

Pkt. 5c; 1 oz. 10c; 1 lb. 25c, postpaid; for larger quantities inquire for prices.

SUDAN GRASS

(*Andropogon sorghum sudanensis*) 8 to 10 lbs. plants an acre.

Sudan grass is an early maturing annual sorghum plant. It is not particular about soil, but requires warm weather and must not be planted in the Northwest until the weather is well settled. Under favorable conditions only 90 to 100 days are required to mature a hay crop. Thick seeding is advisable, otherwise the crop grows too rank and coarse as the plants stool heavily and grow ten feet high if given sufficient room. Important as a fodder plant east of the mountains, where it seems to thrive on lands that are quite alkaline. It also endures excessive moisture and withstands extreme drought, but on the coast it seldom proves to be a valuable crop.

Millets

Sow in April, May or June, 12 to 15 pounds for seed, or 20 to 30 pounds for hay per acre.

Prices 10 lbs. \$1.50, postpaid. Write for quantity prices.

German or Golden—
New Siberian—
Hungarian—

Japanese Millet—Improperly called "Billion Dollar Grass." Entirely distinct from all other Millets. It grows from 6 to 9 feet high, stands up remarkably and yields enormous crops. When cured it makes good hay and in quality is superior to corn fodder. It is relished by all kinds of stock. It may be sown broadcast at the rate of 15 lbs. per acre, but it is better to sow in drills 12 to 18 inches apart, using 10 to 12 lbs. to the acre. Cultivate until the plant is 18 inches high, when its rapid growth will smother all weeds. It does best on low moist ground.

20c per lb., postpaid. Write for price in quantity.

SPELTZ OR EMMER

Emmer (*Triticum Dicoccum*)—Often Mistakenly Listed as Speltz—Similar to barley in growth, but produces two grains in a spikelet. A comparatively new and profitable crop, yielding 50 to 100 bushels of grain, or four to six tons of good hay per acre. Thrives well on poor soil, and dry weather seems not to affect it. After threshing, the straw makes good feed. Sow in Spring at rate of 75 to 100 pounds per acre. We offer choice, re-cleaned seed of the true variety.

White Seed Oats

White Seed Oats—We always try to have a selected re-cleaned stock of No. 1 White Seed Oats, which we can supply at market prices. Write for samples and prices on the quantity you require.

Victory Oats

Victory Oats—A medium maturing tree oat with stiff straw, large, white kernels and a heavy yield. One of the highest yielding varieties at several Northwest Experiment Stations. Recommended for Western Oregon and for unirrigated areas east of the Cascades. Write for price.

Gray Winter Oats

Gray Winter Oats—This Oat is planted extensively throughout the Northwest as a Fall or Winter Oat. Is well and favorably known, being a good yielder, and the Oats are large and plump. Write for price.

We also carry the following. If interested write for price.

**CANADIAN FIELD PEAS and
CHEAT SEED
SEED RYE
BUCKWHEAT**

FERTILIZERS

GROZ-IT BRAND

PULVERIZED SHEEP MANURE

THE FERTILIZER FOR LAWNS, GOLF GREENS, FLOWER BEDS, WINDOW BOXES, HOUSE PLANTS, TREES, SEED BEDS IN NURSERIES AND THE GARDEN

We get this from Nevada—it's the best there is—none better.

GROZ-IT Pulverized Sheep Manure has no rival:

1. For Lawns. (Note—After being spread on the grass and watered, the manure disappears, so that, while undergoing fertilization, the beauty of the lawn is not impaired.)

2. For Golf Greens. When color and strength of grass is required.

3. For all kinds of Flower Beds, especially Tubers and Bulbs, which require a large amount of potash.

4. For Seed Beds in Nurseries.

5. For Fertilizing your Trees.

6. For Window Boxes and House Plants.

7. For the Garden.

Remember that GROZ-IT Pulverized Sheep Manure is aged for several years and will not burn your plants, no matter in what quantities you use it—but as it is highly concentrated, a little goes a long way.

Used for top dressing, mulching, etc.

Valuable in a run-down city garden, as it adds humus and vegetable matter which are essential for all vegetation.

It may also be used at the rate of 20 to 50 lbs. to every 1,000 square feet in a dry form, or 500 to 1,000 lbs. per acre.

Makes the richest and safest liquid manure, using 1 lb. to 5 gallons of water once a week.

For Greenhouse Plants mix one part of Groz-it to about 10 parts of soil.

The ordinary manure, which is so necessary to plant life, has many objectionable features, when used close to the dwelling. It is unsightly, has a disagreeable odor, draws flies and insects, etc., likewise it is too bulky to be used to the best advantage.

In its place, we offer you a highly concentrated, pulverized, natural sheep manure, packed in sacks, light, dry, odorless, free from seeds and all foreign matter, with a plant food value many times that of ordinary manure.

This we guarantee to contain plant food as follows:

Nitrogen 1.84 As Ammonia.....	2.25
Water Soluble Potash K-2 O.....	3.00
Total Phosphoric Acid.....	1.25
Available Phosphoric Acid.....	0.75

PRICE

10 lbs.	30c	50 lbs.	\$1.00
25 lbs.	60c	100 lbs.	1.50
500 lbs.	6.25	Per ton	25.00

These prices are F. O. B. Portland.

SULPHATE OF AMMONIA

Analysis—Nitrogen as Ammonia 25%

Is gaining in favor equally fast with Truck Gardeners, Fruit Growers and Grain and Hay Producers. It is always uniform in quality. The fine dry crystals run as freely and spread as evenly as table salt.

It is instantly absorbed by the water in the soil and is immediately effective. It should be borne in mind that Sulphate of Ammonia is not offered as a complete fertilizer, but as a source of Nitrogen alone. On cultivated crops, grains and meadows, use 100 to 150 pounds per acre.

Write for price.

NITRATE of SODA or CHILI SALTPETER

Nitrate of Soda is not a substitute for other manures, but we recommend it as the cheapest and best form in which to apply Nitrogen to plants. Gardeners who are using farm manure should continue to use it, but use Nitrate of Soda in addition to other fertilizers. If your object is to grow maximum crops you must in some way furnish the plants with Nitrogen. No matter what manure or fertilizer is used, the Nitrogen must be converted into Nitrate before the plants can use it.

Write for price. Cannot be mailed.

LAND PLASTER OR GYPSUM

Made from pure Gypsum, free from clay or other foreign matter. This is especially valuable for clover crops. 10 lbs., 25c; 100-lb. sack, \$1.00.

MURIATE OF POTASH

This fertilizer is especially valuable to fruit trees and berries. It increases the size and yield and makes a marked improvement in quality and color. Use about 200 lbs. per acre. Very valuable to use with stable manure, which is always shy of potash. Write for price.

SULPHATE OF POTASH

A desirable form of potash, especially valuable for potatoes and any root crops, such as beets, turnips, etc.; also cabbage, etc. Write for price.

SULPHUR FOR FERTILIZER

Write for Price

PURE BONE MEAL

Pure Ground Bone, fine ground, is one of the best fertilizers. This is the only grade of Ground Bone we sell, and is all pure bone, reduced by improved machinery to an even fineness—nothing is added, and is free from any adulterant. This is a very valuable enricher of the soil. Per lb. 5c; 100 lbs., \$3.00.

SUPERPHOSPHATE

Analysis—Phosphoric Acid, 17%

This is what is known as acid phosphate and is commonly used where a fertilizer high in Phosphoric Acid is wanted. Especially valuable on berries and fruits as it improves the color and shipping qualities. While the phosphoric acid in this is not so valuable as that in Bone Meal it is more quickly available and in some cases more useful. Super-phosphate is recommended as a top dressing for grass lands and grains. It is generally used at the rate of 300 to 600 lbs. per acre. Write for price.

BLOOD MEAL

Pure Blood, cooked, dried and finely ground. A quick-acting fertilizer, analyzing very high in effective nitrogen; in fact, the nitrogen of Dried Blood is one of the most effective forms of organic nitrogen known. This also carries some phosphorus; is a strong fertilizer, a little going a long way. Write for price.

LIME

Lime Rock—Fine Ground—This is the form of lime recommended by the Agricultural Department. Use ½ to 1 ton per acre, 100 lbs., \$1.00; ton, \$15.00.

FERTILIZERS

Uses of Main Plant Foods

Nitrogen.—Promotes leaf and stem growth; increases proportion stalk to fruit, and hastens blooming. An excessive amount delays maturity.

Phosphoric Acid.—Stimulates early root formation; gives vigorous start to plants; increases ratio fruit to stalk; improves quality of fruit and hastens maturity of crop.

Potash.—Is important in sugar and starch formation; gives stiffness to stalk; helps plants to resist disease, and improves quality of fruit.

FERTILIZERS

FEED THE SOIL AND
IT WILL FEED YOU

ENJOY BETTER LAWNS, FLOWERS AND
GARDENS BY USING

VIGORO



Colorful Flowers



Delicious Vegetables

There is no secret in having a velvety lawn, colorful flowers, crisp, succulent vegetables, luxuriant shrubbery and stately trees.

You can enjoy these beauties of nature if you use good seed, plants, bulbs and the right plant food. The right plant food is important because plants must be fed the same as human beings.

VIGORO is a plant food specially prepared to supply growing things with all of the plant food elements needed for rapid, sturdy, and beautiful growth. VIGORO is odorless, clean and easy to apply. It can be sown by hand like grass seed.

CLEAN,
ODORLESS,
EASY TO
APPLY.

VIGORO

Specially prepared plant food

100-lb. bag	\$6.00
50-lb. bag	3.75
25-lb. bag	2.00
5-lb. bag . . . .	.60
12-oz. pkg. . . .	.10

Not prepaid

A SWIFT & COMPANY PRODUCT

MORCROP is the Fertilizer for Your Crops

A NORTHWEST PRODUCT FOR NORTHWEST CONDITIONS

There is a
MORCROP Fertilizer
for every crop and
soil condition.

MORCROP — KING 3-10-7

Exceptionally well balanced for general use. Made to feed crops uniformly from planting time to maturity. Finely pulverized, dry and free running.

Per 100 lb. sack \$3.30

MORCROP — LUX 5-6-8

High in both Nitrogen and Potash. Especially useful on many Truck Crops, Hops, Berries and Tree Fruits.

Per 100 lb. sack \$3.50

RUBY MORCROP 1-10-10

For over-nitrated orchards, for any crop on Peat Land and for use with Poultry Manure.

Per 100 lb. sack \$3.25

MORCROP — M 3-10-10

Good for Potatoes, Cherries and Pears and on any soil lacking Potash.

Per 100 lb. sack \$3.50

ELECTRO — MORCROP 1-17-1

A special Legume Fertilizer, fine for Pastures and Meadows.

Per 100 lb. sack \$2.50

REDUCED PRICES ON QUANTITY PURCHASES. CAR LOT PRICES DELIVERED TO YOUR
STATION QUOTED ON REQUEST

The figures following the names indicate Nitrogen, Phosphates and Potash in the order named.



GARDEN—MORCROP 5-10-5

For Flower and Vegetable Gardens, Shrubby. Lawns, Window Boxes, etc. Rich in all plant foods and humus. Improves the condition of soils. Holds moisture in hot weather. More bulky than other fertilizers.

Small pkg. 35c — Large Pkg. 65c

Small sack (30 lbs.) 2.00

Large sack (60 lbs.) 3.50

LAWN — MORCROP 6-1-1

Made especially to make and keep lawns green and in healthy growing condition. Detrimental to weeds.

Per 50 lb. sack \$1.75

MORCROP TABLETS

Highly concentrated, water soluble, for Ferns and House Plants. Reduced price, 10c per package

PLUS — MORCROP 1-10-15

This is the fertilizer for Bulbs, Onions, etc., and for use on Peat lands.

Per 100 lb. sack \$3.50

MORCROP — B 2-10-2

Very useful on Cereal Crops, for Cannery Beans and Peas, etc.

Per 100 lb. sack \$2.50

MORCROP — S 6-10-4

Especially high in Nitrogen and Phosphates. For leafy crops and soils that get no manure.

Per 100 lb. sack \$3.75



Cut Down Your Fertilizer Bills Get Your Nitrogen from the Air

Nitrogen is the most expensive ingredient in the fertilizers you buy, although it is plentiful in the air. When legume crops are inoculated with **STIMUGERM** this nitrogen is stored in nodules on the roots.

STIMUGERM Legume Inoculation

Increases the yield and improves the quality of the crop on which it is used.

It adds to the nitrogen supply in your soil—nitrogen is the most expensive ingredient in the fertilizers you buy. Its use gives quicker growth and earlier maturity. It increases the permanent value of your farm.

ORDER BY NUMBER

No. 1. For Red, Mammoth, Alsike, Crimson and White Clovers.

No. 2. For Alfalfa, Sweet and Bur Clovers.

Price Nos. 1 and 2— $\frac{1}{4}$ bu. size 40c; $\frac{1}{2}$ bu. size 65c; 1 bu. size \$1.00; $2\frac{1}{2}$ bu. size \$2.25; 10 bu. size \$8.00.

No. 3. For Vetch, Canada Field Peas, Garden Peas and Sweet Peas.

No. 7. For Cow Peas, Peanuts, Velvet Beans and Lima Beans.

No. 8. For Garden Beans and Navy Beans.

No. 9. For Soy or Soja Beans.

Price Nos. 3, 7, 8 and 9— $\frac{1}{4}$ bu. size 40c; 1 bu. size 65c; 5 bu. size \$2.25.

SPECIAL



A special garden size for peas, beans and sweet peas. Will insure you large, luscious peas and beans, and abundant sweet pea blossoms for gorgeous coloring. Price 25c

STIM-O-PLANT

A highly concentrated odorless fertilizer for the vegetable and flower garden, shrubs and house plants. The analysis is guaranteed 11 per cent nitrogen, 12 per cent phosphoric acid, 15 per cent potash, an ample amount of each plant food to insure a quick and strong growth of all plants.

30-tablet pkg. 25c; 100-tablet pkg. 75c; 1000-tablet pkg. \$3.50, postpaid.

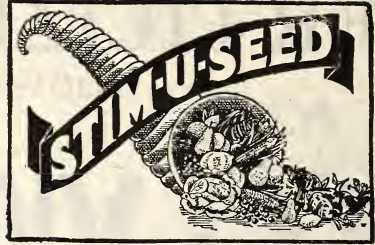


Napthalene

For Use in Treating Soil for Insect Pests

Used by truck gardeners, bulb growers and for field crops to drive away grubs, wire worms, slugs, centipedes, aphids, etc. Safest, most powerful insect repellent that can be used in quantities at low price. In granulated form, with strong odor like moth balls. Has been used in Europe for years. Drives off caterpillars, stupifies insects. Use it mixed in the soil according to directions. Send for full information.

Prices: 1 lb. can 25c; 5 lbs. 75c; 10 lbs. \$1.25; 25 lbs. \$2.25; 50 lbs. \$4.00; 100 lbs. \$7.50; F.O.B. Portland.



A SEED AND PLANT ELIXIR

Does All the Name Implies

A chemical composition for a seed and transplant treatment which combines in one process the two factors of parasite prevention and continuous growth and production development.

Averts Damping Off and other fungus diseases.

This process coats the seed with insoluble chemicals and starts physiological reactions which act vigorously throughout the growth of the vegetable or plant treated.

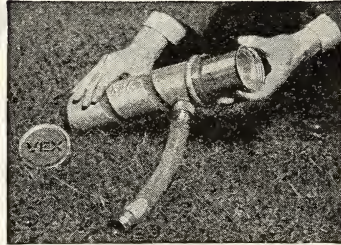
FOR SEEDS—TUBERS—TRANSPLANTS.

A new idea in crop production, and the only product of its kind on this or any other market.

Prices: 8 oz. ($\frac{1}{2}$ lb.) \$1.00; 1 lb. \$1.75; 5 lbs. \$7.50; 25 lbs. \$31.25; 100 lbs. (in bbls.) \$105.00.

VEX Automatic Lawn Fertilizer

Lawn Vex is the most concentrated fertilizer known. It is 100% plant food, an organic and water soluble; it is a neutral and leaves no residue. Lawn Vex contains 46% available



nitrogen, the equivalent to 55.9% ammonia. Lawn Vex has no odor, is non-poisonous and will not stain. Lawn Vex is automatically applied as a liquid as you sprinkle and goes right to the roots of every blade of grass. It is available immediately and benefits grass at once. The container is 13" long, made of brass and attached to your hose. Puts the fertilizer at the roots in a liquid form where the grass can feed on it at once. No danger of burning, sanitary, odorless, a child can apply it. Anyone can have a perfect, velvet green, vigorous lawn by feeding it regularly with Lawn Vex.

Price complete including container, refill and short length of hose, \$8.00. Price of extra fertilizer refills, each \$2.15. Prices f. o. b. Portland. A refill is sufficient for one fertilizing of the usual lawn.

A. B. C. PLANT PROTECTORS

SPECIAL NON-CURLING TAR FELT PADS



PROTECTS
FROM
CABBAGE
ROOT
MAGGOT

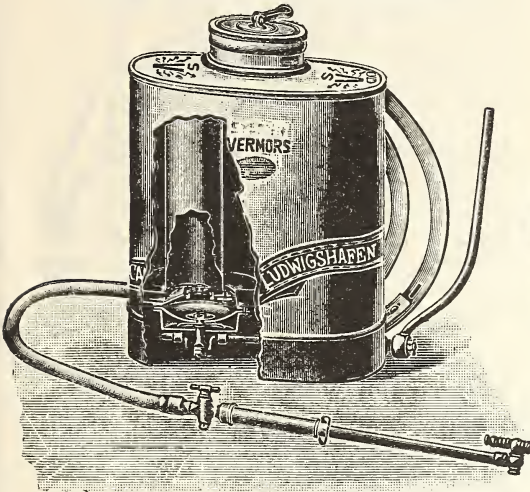


No maggot fly will be able to lay eggs around the stem of your young plants if you use A B C Protectors. You won't lose 10 to 30 and 40 per cent of the planting, by the stems being eaten away. Last year A B C Protectors were used in all parts of the United States and Canada, many customers reporting that A B C's produced anywhere from 90 to 100 per cent crops.

We believe that this is the only protector on the market today successfully doing the work claimed for it. It lays flat on the ground, will not curl up on the edges, is the easiest protector applied, and will not dry up quickly. Price as follows, postpaid: Per doz. 10c; per 50, 30c; per 100, 40c; per 500, \$1.50; per 1000, \$3.00.

PLATZ VERMORS BRASS SPRAYER

COMPACT—DURABLE—EFFICIENT



Having no plunger-pump, it has no plunger troubles. Its diaphragm-pump will supply a sufficient pressure with but little effort. Its working parts are few, making it easy to operate and economical in upkeep. Capacity, approximately four gallons. Net weight 16 pounds. It is a compact and very efficient knapsack outfit, fitting the back snugly with a strap over each shoulder. After filling tank, the diaphragm pump will develop a 40-pound pressure with a dozen strokes of the pump lever, and is maintained with little effort until emptied. The pressure chamber is made from a solid piece of brass (or of copper by special request) with no soldered joints to spread or crack. The 30-inch sprayrod is of sufficient length to spray the underside of foliage close to the ground as well as to direct a spray a considerable distance upward. The nozzle is adjustable with a cleaner attachment and is equipped with fine, medium and coarse spray caps, and a nozzle capable of throwing a straight stream for a distance of 40 feet. The liquid is automatically strained twice. The diaphragm and two check-valves, the only working parts of the pump, are accessible, easy to replace, and inexpensive. With ordinary care, sprayer will give years of satisfactory service. Price, \$20.00.

AUTO-SPRAY No. 5



The Auto-Spray No. 5 is a double acting high pressure sprayer that can be used with any pail or bucket. It is generally acknowledged to be the most powerful pump of its type manufactured. Generates a pressure of over 200 pounds with remarkable ease. Throws a continuous spray on both the up and down stroke, and requires about one-half the labor of other pumps of this type. This pump is made of solid brass and is equipped with an extension strainer, and suction hose. This pump is equipped with extra nozzle caps to give both fine spray and long distance spray for spraying trees from the ground. Price \$4.50.



**PLATZ
GRUN
SINGLE
ACTION
DUSTER
\$18.00**

Large, powerful leather Bellows. No gears to wear—easy to operate. Practically indestructible. Agitator is positive; regulator is accurate. Compact, sturdy, efficient. Net weight, 15 pounds. Capacity, 20-30 pounds.



**PLATZ
GRUN
DOUBLE
ACTION
DUSTER
\$20.00**

The Double Action Duster is identical with the Single Action in construction with the exception of the double bellows, which insures a more steady flow of dust with the same ease of operation, and better adapted for dusting a denser growth of foliage.

Net weight, 17 lbs. Capacity, 20 to 30 lbs.

The Platz Grun Single and Double Action Dusters fit the back snugly with a strap over each shoulder. Through the elimination of gears, practically no muscular effort is required to operate these machines and obtain the most efficient results. The 20-inch discharge pipe with its adjustable spreader, furnished with both types of machines, is sufficiently long enough to dust the underneath side close to the ground as well as to throw a cloud of dust 20 feet in the air. The large carrying capacity eliminates loss of time in repeated fillings. The agitator will thoroughly crush sulphur, and works perfectly with all standard dusting materials, such as the Arsenates of Lead, Calcium and Magnesium, the Bordeaux Mixtures, Nicotine, etc. The regulator is easily adjusted and may be set for a light or heavy application.

AUTO SPRAY No. 9



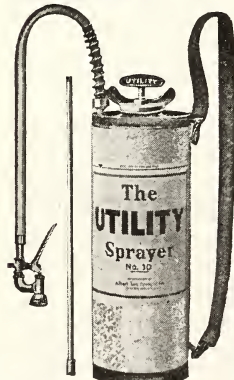
The Auto Spray No. 9 is a durable, well-built machine. This Sprayer, due to its ease of operation, is one of the most popular large compressed air sprayers on the market. Corrugated tank is constructed of heavy sheet brass or strong copper bearing galvanized steel sheet. Pump cylinder is one-piece seamless brass tube. The features of this Sprayer are the corrugated tank, screw lock, drain dry, Non-Clog spray nozzle. This Sprayer can be used for spraying trees, shrubs, gardens, chicken houses, etc. Capacity—four gallons.

Auto-Spray No. 9-B, Brass Tank, priced at \$10.00
Auto Spray No. 9-D, Galvanized Tank, priced at ... 7.00

BROWN'S VICTORY



Brown's Victory is a general purpose compressed air Sprayer. It is used for spraying shrubs, gardens, truck crops, insecticides, disinfectants, chicken houses, etc. It has the bayonet locking feature, which provides quick and easy filling. The corrugated tank is made of heavy copper bearing galvanized steel sheet, the pump cylinder is of best quality one-piece seamless brass tubing. We recommend this Sprayer as one of the best of its type. Brown's Victory No. 201-D, galvanized tank \$6.00

UTILITY No. 10-15
KNAPSACK
SPRAYER

Is the most desirable style of sprayer for all general work ever put on the market. Just the right size for the average work requiring a sprayer.

Equipped with our Patented Utility Nozzle. Tank capacity, $3\frac{1}{2}$ gallons; size $7\frac{1}{4} \times 20$ inches. Made of heavy galvanized iron or brass. All seams sweated and riveted. Tested at 95 pounds. Tank equipped with Standard Hose Connection.

Pump Cylinder made of brass tubing with Bronze Ball Check Valve, which does not deteriorate like rubber. No twisting action on pump gasket.

No. 10, Galvanized, \$6
No. 15, Brass, \$9

Nozzle made of brass, can be adjusted to be operated at any desired distance. Shut-off is always at nozzle end; designed with large waterways and strainer to prevent clogging. Equipped with No. 65 Angle Nozzle unless otherwise ordered.

AUTO SPRAY No. 50



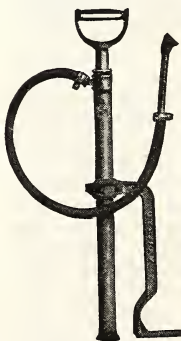
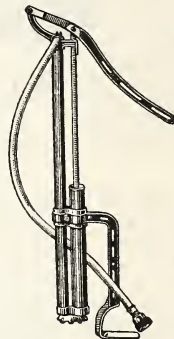
We highly recommend the Auto Spray No. 50 to our patrons. It is extremely desirable for use in spraying agricultural insecticides, disinfectants and where the spraying is not extensive, and is especially adapted for use by women or persons physically unable to carry a great weight. Tank is constructed of heavy sheet brass or strong copper bearing galvanized sheet steel. Pump cylinder is of one-piece seamless brass tubing. This Sprayer has the screw lock and drain-dry features found in the Auto Spray No. 9. Capacity, $2\frac{1}{2}$ gallons.

Auto Spray No. 50B, Brass Tank, priced at \$9.00
Auto Spray No. 50D, Galvanized Tank, priced at ... 6.00

AUTO SPRAY No. 7

With Lever Bucket Handle Pump

The lever handle and large air chamber make this the most powerful bucket pump and the easiest one to operate. All working parts are solid brass with brass ball valves and patent agitator. Fitted with graduating nozzle to throw a fine or coarse spray or a solid stream. Weight, 8 lbs. Price, \$7.



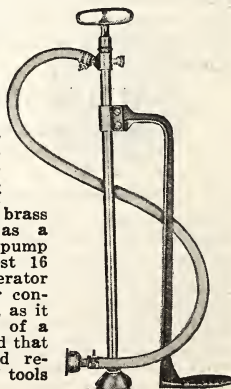
BUCKET PUMP No. 95

All working parts of this pump that come in contact with spray solution are brass. By removing verbal disc a straight stream can be had for washing windows, automobiles, etc., in addition to general spray purposes. Price, \$4.50.

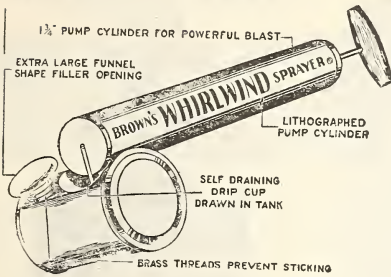
AUTO SPRAY No. 6

Double Acting Bucket Pump

A most powerful bucket pump, easily generates a pressure of 200 pounds. It is double acting, producing a continuous spray. Made of brass and is equipped with a brass suction strainer as well as a strainer in the nozzle. The pump is equipped with a foot rest 16 inches high, enabling the operator to use almost any bucket or container. This is an advantage, as it does not necessitate the use of a special bucket. So constructed that it may be taken apart and re-assembled without the use of tools of any kind. Price \$5.00.

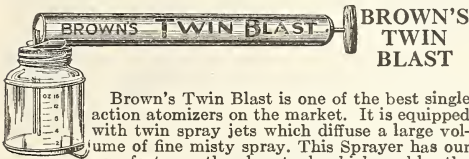


BROWN'S WHIRLWIND



Brown's Whirlwind is a strong, well built single acting atomizer, made of heavy lithographed tin. The brass filler thread feature of this Sprayer eliminates the corrosion in screw cap which makes this type of sprayer undesirable. Capacity, 1 quart.

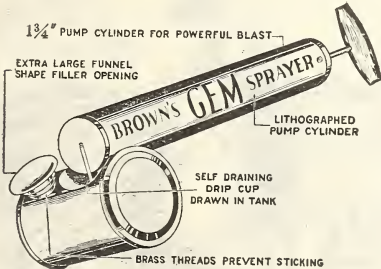
Brown's Whirlwind, all tin, priced at, postpaid.60c



Brown's Twin Blast is one of the best single action atomizers on the market. It is equipped with twin spray jets which diffuse a large volume of fine misty spray. This Sprayer has our new feature—the glass tank which enables the operator to know exactly how much liquid is in the container and because it is more easily cleaned, makes possible the spraying of different solutions. Capacity, 1 quart.

Brown's Twin Blast, tin cylinder, glass container.80c

BROWN'S GEM



This Sprayer is very useful for spraying household insecticides, household disinfectants, etc., in small quantities. The capacity of this Sprayer is 1/2 pint and is made of heavy tin, the pump cylinder being lithographed. It has a self-draining drip cup which returns the drip to the container and has brass filler thread which prevents sticking of screw cap.

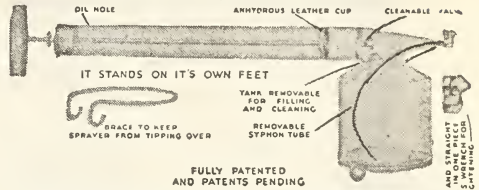
Brown's Gem, all tin, each.50c

WHEELBARROW SPRAYER



Goes anywhere like a wheelbarrow, through narrow openings. For spray solutions, disinfectants or white-wash. Equipped with extra long handle, giving powerful leverage, and large air chamber insuring continuous spray. Develops 150 to 200 lbs. pressure with minimum of effort. Made of best materials. All working parts of brass or bronze. Cart is strong, all steel and cross braced. Tank holds 12 1/2 gals. Fully equipped with hose, nozzle, fittings, steel extension, etc.

No. 1721-F—Price \$25.00.

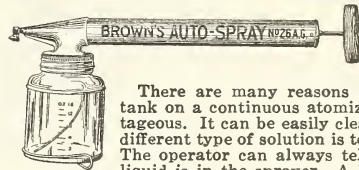
AUTO-SPRAY No. 26
IT SPRAYS CONTINUOUSLY

The Auto-Spray No. 26 is so designed that the pressure generated on the down stroke of the plunger allows this sprayer to produce a continuous mist-like spray. This is a decided advantage over ordinary atomizers, which are intermittent, in that spraying can be done more rapidly and with less exertion. This sprayer has a number of advantages which other Atomizers lack. Note the two nozzle caps yoked together to prevent loss, one straight and one angular.

The ball valve, which prevents this stored up compressed air from returning into the pump cylinder, is conveniently located in a brass valve seat, fastened stationary in the end of the pump cylinder, and readily cleaned or replaced. By removing the tank from this sprayer, the syphon tube can be easily and quickly cleaned.

Auto-Spray No. 26A, 1 quart all tin. \$.85
Auto-Spray No. 26B, 1 quart tin pump, brass tank 1.25
Auto-Spray No. 26C, 1 quart all brass. 1.50

AUTO-SPRAY No. 26-AG

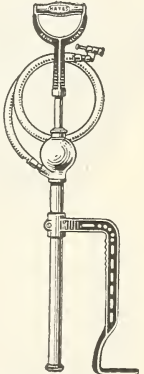


There are many reasons why a glass tank on a continuous atomizer is advantageous. It can be easily cleaned when a different type of solution is to be sprayed. The operator can always tell how much liquid is in the sprayer. A long felt demand for a continuous atomizer with a glass tank prompted us to build this sprayer. The jar on this sprayer has a standard Mason fruit jar thread. Additional jars are easily obtainable. This atomizer has all the mechanical advantages of the Auto-Spray No. 26-A, B and C with the added advantage of the glass tank. We forecast the Auto-Spray No. 26-AG will eventually be the most popular continuous atomizer on the market. Capacity one quart. Price \$1.30.

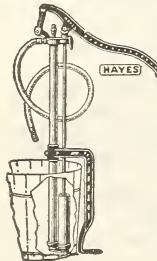
BUCKET SPRAYER No. 261

A very effective sprayer for home and garden use. This sprayer is double acting, discharging spray on both up and down strokes, giving continuous spray. Constructed with large brass air chamber, which cushions force of solution pumped and maintains uniform pressure. Equipped complete with hose, discs for fine or coarse spray and extra solid stream cap. For all spraying purposes.

No. 261. Price \$5.00



BUCKET SPRAYER No. 231

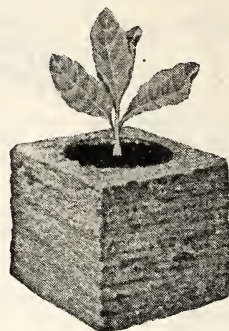


A single stroke sprayer, especially popular. All working parts are brass, not subject to corrosion. Solid bronze ball valves, malleable iron foot rest. Made of tested materials. Develops strong pressure, easy working, long lasting.

Completely equipped with hose, discs for fine or coarse spray and extra solid stream cap. Suitable for few fruit trees, vegetable and flower gardens, disinfectants and whitewash.

No. 231. Price \$5.00

PEAT PLANTING POTS



Planting Pots are made entirely of German peat moss. When once well soaked with water they retain moisture for a long time, thus removing danger of the plants drying out.

Seeds started in Planting Pots rapidly develop strong plants that produce large crops, in some cases as much as four or five weeks earlier than plants produced by other methods.

Made in three sizes—

Per 100

No. 1—2-inch, with 1-inch hole	\$2.0
No. 2—2½-inch, with 1½-inch hole	3.00
No. 3—3-inch, with 2-inch hole	4.00

ADCO



ARTIFICIAL MANURE

(Patented in the United States and Abroad)

ADCO is a powder which, when mixed with almost any non-woody vegetable waste and kept moist, gradually converts the mass into real manure fully equal to the farmyard product in fertilizing power, but free from foul odor, flies, weed-seeds, etc. The process is perfectly simple and not at all laborious.

GARDENERS can now have plenty of manure at low cost and little trouble.

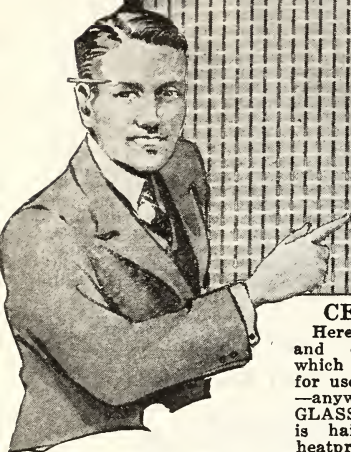
FARMERS, by utilizing straw, corn stalks, etc., can secure their manure without the expense and labor of maintaining live-stock.

PRICE, F. O. B. PORTLAND

ADCO, in 150-lb. bags, each\$11.00
(Enough for a heap 10 ft. x 10 ft. x 6 ft.,
making about three tons of manure)

ADCO, in 25-lb. bags, each\$2.35
(Enough for 12 wheelbarrow loads of garden
waste, making one-half ton of manure)

Each package is accompanied by full, explicit directions. The process is so simple that mistake or failure is almost impossible.

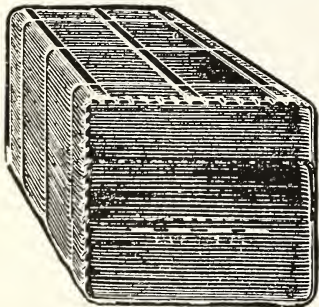


CEL-O-GLASS

Here is a most useful and durable material, which is recommended for use in place of glass—anywhere. CEL-O-GLASS is unbreakable; it is hailproof, rainproof, heatproof, coldproof, rust-

proof and very light in weight. It is ideal for cold frames, hotbed sash, garage and barn doors and windows—any place where you need light and protection from the weather. Easy to use—simply tack it up; no glazing, no trouble, no breakage. CEL-O-GLASS is shipped in rolls 3 feet wide and 100 feet long. We cut in any length. Price 14c per square foot.

PEAT MOSS NATURE SOIL IMPROVER



for
Vegetable
Growers
Horti-
culturists
Home
Gardens
Nurserymen
Florists

A few of the many purposes for which it is used:

Fertilizer Carrier	Landscape Work
Mulching	Benches (Greenhouse)
Cold Frames	Golf Courses
Lawns	Packing
Improving Soils	Storing Bulbs
Propagating	Potting
Cuttings	Layering
	Seed Beds

Peat Moss is packed in bales of standard size and bulk, with minimum moisture content: The material in a bale will cover 340 square feet one inch deep.

In making new lawns, apply from three to six inches of Peat Moss and work it into the soil. An even germination of the grass seed will be obtained and a thick turf will soon develop.

PRICE PER BALE, \$3.00

F. O. B. Portland

PEAT Makes Poor Soil Good and
Good Soil Better

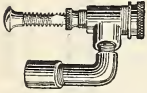
FEENEY DUST GUN



The dust cloud from a Model B Duster covers every surface or the thing that is to be dusted—top, sides, underside and all—hunts every crack and crevice—nothing escapes being treated—it does the job completely.

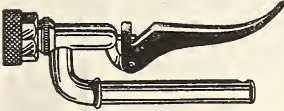
Price \$1.25

ONE POINT VERMOREL NOZZLE



All brass, equipped with five extra steel discs which may be easily renewed. The needle plunger permits easy cleaning of the nozzle. This is an excellent nozzle for use in white-washing.

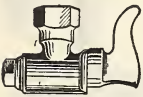
Each 80c



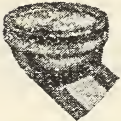
AUTO-POP — An Automatic shut-off made entirely of brass. We are the pioneer builders of this type of shut-off. By a pressure of the fingers on the handle the spray is turned on

and by releasing this pressure the spray is automatically turned off. The Auto-Pop saves solution and reduces labor by 100%.

Each \$1.60



Bordeaux Nozzle
Each 80c



No. 80 Nozzle
75c



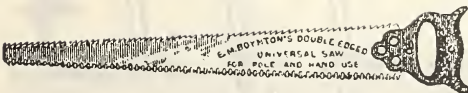
No. 75 Nozzle
75c



6 foot.....	\$1.65
8 foot.....	1.85
10 foot.....	2.00
12 foot.....	2.15

Cannot be mailed

No. V-12—PRUNING SHEAR, \$1.00 postpaid



No. 2—PRUNING SAW, 18-inch, each, postpaid \$1.75
No. 3—PRUNING SAW, 16-inch, each, postpaid 1.50

BROWN'S CRYSTAL DUSTER

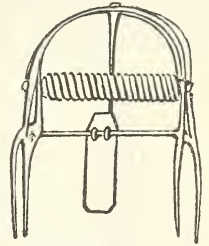


Brown's Crystal Duster is one of the newest type Dusters on the market. We recommend this Duster for use in dusting truck crops in the garden, flower beds, roach powder, etc. This Duster has the glass jar feature, which enables the operator to see the agitation of the dust and shows the amount of dust in the container. It is equipped with a long extension and adjustable nozzle which enables the operator to dust from underneath without bending. Capacity, 1 quart.

Brown's Crystal Duster, tin cylinder, glass container, extension.....\$1.35



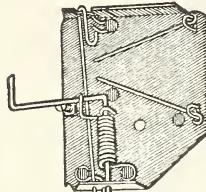
ADJUSTABLE
NOZZLE
Each, 75c

OUT OF SIGHT
MOLE TRAP

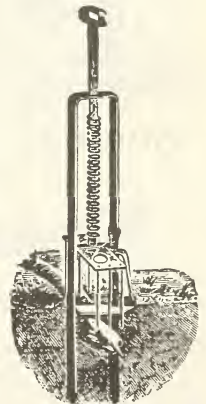
The Trap That Holds
CAN'T PULL OUT
CAN'T TWIST OUT
CAN'T GNAW
FREE

The Best Mole Trap
Made

\$1.25, Postpaid

CINCH GOPHER
TRAP

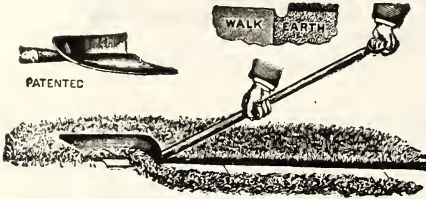
Fits the hole, a sure killer, and the most satisfactory trap. Weight, 1 pound. Price, each, 75c, postpaid.

REDDICK MOLE TRAP
No Mole Can Pass Under
It and Live

These traps are strong and durable and worth the price to anyone troubled by moles.

Price \$1.00 each, postpaid

IMPERIAL LAWN EDGE TRIMMER No. 136



With this tool the rough straggling, overhanging grass along the edges of the walk can be trimmed in a few minutes.

It plows a Clean U-shaped trench, delivering the cutting on the sidewalk, making it appear as though a barber had performed the work. The edges along the curbing and walk of an 80-foot lot can be trimmed in 20 minutes, leaving the whole surroundings neat and attractive. No other tool will do the work like this. Try one and your neighbors will follow your example. \$2.00 postpaid.

COMBINATION CULTIVATOR-HOE No. 125

A Six in One Garden Tool

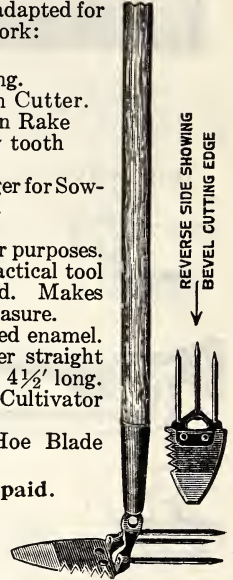
Particularly adapted for the following work:

1. Hoeing.
2. Cultivating.
3. Dandelion Cutter.
4. Dandelion Rake (note saw tooth blade).
5. Drill Digger for Sowing Seeds.
6. Weeder.

And many other purposes. The most practical tool ever introduced. Makes gardening a pleasure.

Finished in red enamel.
1 1/4" diameter straight grained Handle 4 1/2' long.
Length of Cultivator Teeth 4".
Length of Hoe Blade 3 1/2".

\$1.50 postpaid.



IMPERIAL COMBINATION HOE No. 126

A Combination Hoe for the following Garden Work:

1. Hoeing.
2. Sickle or Grass Whip.
3. Dandelion Cutter.
4. Rake.
5. Drill Digger for Sowing Seeds.

All edges of the blade are sharp.

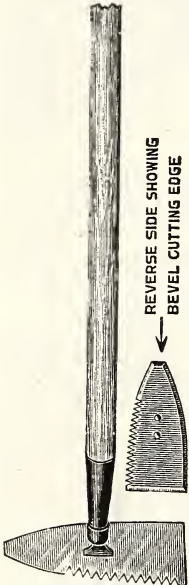
An excellent tool for hoeing or loosening the soil under low shrubs or plants.

Ideal for cutting off dandelions or long grass that is missed by the lawn mower.

1 1/4" diam. straight grained Handle 4 1/2' long.

Length of blade 8" overall; width of blade 3 1/2" x 1/2".

\$1.25 postpaid.



IMPERIAL WEED PULLER No. 96

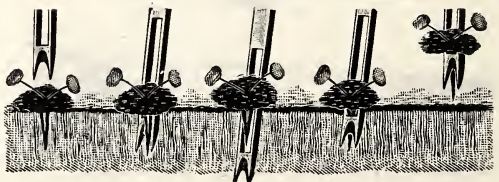
A scientifically constructed weed puller with an easy grip handle, making the work of quickly and accurately removing the weeds from your garden and lawn a pleasure instead of a burden.

To operate properly, push the tool down close to the weed at an angle of 95 degrees until below the root. Then push the tool toward the weed and pull up straight, removing root without damaging the lawn.

Easy to operate, positive in performance and lightening in action. Long enough so that you do not have to get down on your knees to use it.

The Imperial Weed Puller is made of high grade steel finished in black enamel.

\$1.00 postpaid.



IMPERIAL WEED CHISEL No. 98



3 1/2 Feet Long—Chisel Edge

The most practical and convenient Weed Chisel on the market.

No more stooping over or working on your knees to dig weeds. Use the Weed Chisel to cut the weeds as you would carry a cane. Simply stab the weeds below the surface of the ground which will give the grass that was shaded a chance to develop, spread and finally kill the root.

In a comparatively short time you will have a beautiful lawn entirely free of weeds.

It is made of high grade steel, finished in Japan. 75c postpaid.



No. 212—Solid Steel Trowel. 50c, postpaid.

**GARDEN TROWEL No. 4**

One piece pressed steel. Handsomely finished in black baked enamel. Length of blade 6 inches. Ground and polished points. Price 25c each, postpaid.

No. 2120—SOCKET GARDEN TROWEL
Price, 50c each, postpaidNo. 217—TRANSPLANTING TROWEL
25c, postpaid**No. F-30—SPADING FORK**

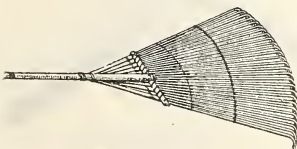
A very handy tool, forged 3 tine, polished and green enameled. Length 11 inches. Hardwood handle. No. F30—Price each, 50c.

**MOE'S GARDEN WEEDER**

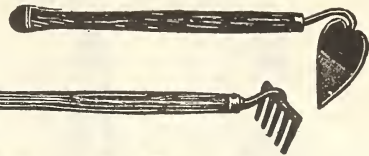
One piece pressed steel. Handsomely finished in black baked enamel. Has five steel fingers, and is one of the most useful and handiest garden tools made. Ground and polished points. Price, 25c each, postpaid.

**LANG'S
HAND
WEEDER****HANDIEST
TOOL****ON EARTH** Price, 25c each**IDEAL HAND WEEDER AND SCRAPER**

Price, 30c each

**JAPANESE
BAMBOO
BROOM
RAKE**

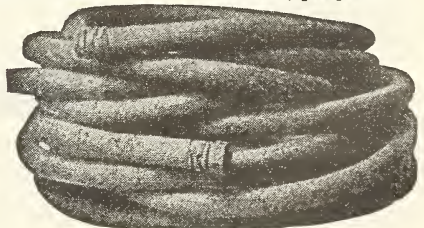
Each, 50c

**AMERICAN BEAUTY
GARDEN SET**

The finest floral set made. Price, per set, \$1.10; if by mail, add 20c for postage.

**MAYNARD TROWEL**

6-inch blade and shank, solid steel socket. The best trowel made. Price \$1.00, postpaid.

**TURF EDGER**
American. Each \$1.25**WOOD HANDLE
DIBBLE**
\$1.00 each, Postpaid**HOSE WASHERS**
½-inch, rubber
Doz. 10c**D HANDLE DIBBLE**
\$1.00 each, postpaid**GARDEN HOSE
Butzer's Non-Kinkable**

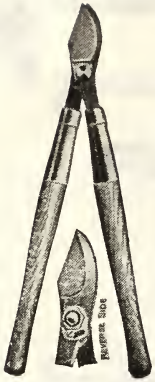
A brand of hose, manufactured especially for greenhouse use. The inner tube is made of the best quality rubber and is very strong; the jacket of canvas or duck is mixed in such a way with the outer cover that it is extremely pliable and will not kink or crack.

Comes in reels of 500 feet, order exact number of feet you require. We can cut in any length.

Price, ½-in., 10c per ft.; ¾-in., 12c per ft. Couplings free in 10-ft. lengths and over.

No. 50
No. 50—Nozzle
and Hose Couplings.
Price\$0.35No. 40
No. 40—Nozzle
and Hose Stock.
Price\$0.40No. 56
No. 56, Couplings, ½ or ¾-
inch. Postpaid\$0.35

PRUNING SHEARS



No. 30
Price \$2.50 each



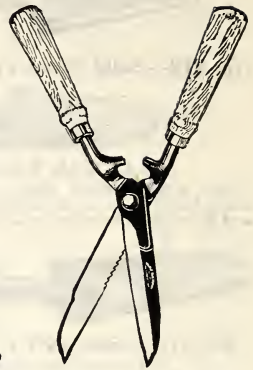
No. 20
Price \$2.00 each



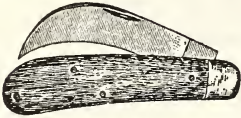
No. 5406
Price \$2.00 each



No. 800—8 inch.. \$2.25
No. 9 —9 inch.. 2.50



No. 660..... \$2.00
Special 6-inch blade



PRUNING KNIFE

Handy grip ebony handle, curved, polished, tool steel blade, nickel-plated bolster.

No. 9215—Price each \$1.00.



BUDDING KNIFE

Has pointed blade and broad bone opening spoon.

No. 6427—Price each \$1.50.



PRUNING SHEAR

Full polished Swiss Pattern shear, crucible steel blade, ratchet, regulated adjusting nut; 9 inches long.

No. 202—Price each \$1.25.



PRUNING SHEAR

Heavy 9-inch shear with volute spring, high grade polished steel blade, attractive finish. A well made article.

No. V129—Price each \$1.00.



ROSE SHEAR

Full nickel plated, 7 inches long, forged from high grade steel. Its fine finish and handy size makes it very desirable.

No. V-126—Price each \$1.00.



BUDDING KNIFE

A well-shaped good sized knife with special blade to open cleft for inserting buds.

No. 436—Price each \$1.25.



THINNING SHEAR

Mill finish, used for thinning fruit and for picking grapes, etc. 7 inches long.

No. 101—Price each 50c.



BUDDING KNIFE

Stationary blade.

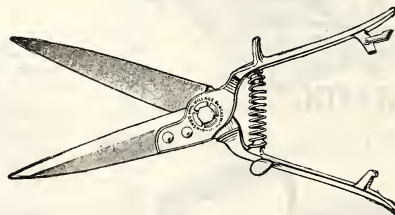
Price, 60c each.



No. 830 Weeder—50c each



No. 160 Grasswip—\$1.25 each



Village Blacksmith "Grasnip." A very practical shear for cutting grass, light vines, etc.; 6-inch steel blades, malleable handles.

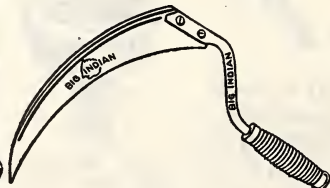
Red Handles, best finish, \$1.25, postpaid.

Green Handles, med. finish, \$1.00, postpaid.

GRASS



No. 2
Price 75c each



No. 1 Big Indian
Price \$1.00 each

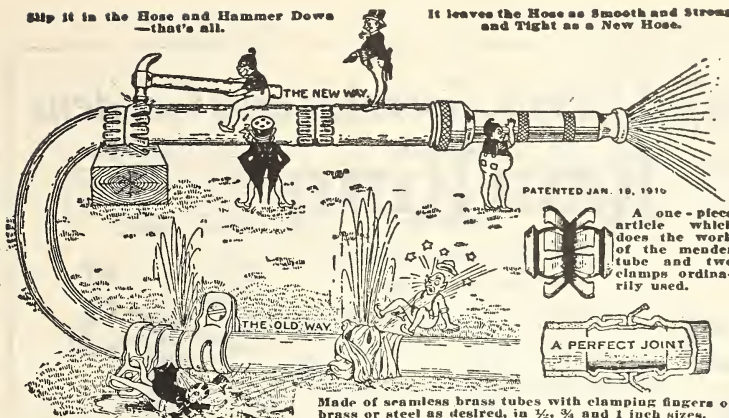
HOOKS



No. 3
Price 75c each

Slip it in the Hose and Hammer Down
—that's all.

It leaves the Hose as Smooth and Strong
and Tight as a New Hose.



Made of seamless brass tubes with clamping fingers of brass or steel as desired, in $\frac{1}{2}$, $\frac{3}{4}$ and 1 inch sizes.

PERFECT CLINCHING HOSE MENDER—The best mender made. Please state size of your hose. $\frac{1}{2}$ or $\frac{3}{4}$ inch, 15c each, 2 for 25c, postpaid.



No. 55—Brass Yerdon's Bands, $\frac{1}{2}$ or $\frac{3}{4}$ -inch. Postpaid, each 5c; doz.\$0.50



PERFECT CLINCHING COUPLER

$\frac{1}{2}$ or $\frac{3}{4}$ inch
Per pair
35c, postpaid



Blake No. 2.—Galvanized iron; tapped with $\frac{3}{4}$ -inch iron pipe threads; used extensively for irrigating purposes where necessary to connect sprinkler on $\frac{3}{4}$ -inch iron pipe.

Price 50c



**No. 10
Stationary
Stick Stand
Sprinkler**

NO HOLES
TO STOP UP

SPRAYS
30 to 35 Feet

PRICE
\$1.00
Postpaid



JAPANESE TUBS

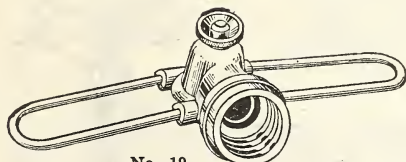
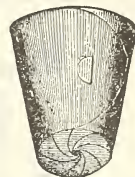
These tubs have large hoops, and are imported from Japan. Small size, 13 inches high, 14 inches diameter at top. Price 75c each.

Postage extra

NEPONSET PAPER POTS

Splendid for handling and shipping plants. Unbreakable, light and economical.

Size—	Weight	—Price—	
2½ in.	1,000 18 lbs.	1,000 \$0.70	\$ 5.00
3 in.	28 lbs.	.95	7.50
4 in.	50 lbs.	1.50	10.75



No. 19

**No. 19 LAWN
SPRINKLER**

Non-corrosive; won't clog; with clean-out brass plug. Equal distribution of water over a large area. Base 8 inches. Can be pulled about the lawn without tipping.

Price \$1.00 each

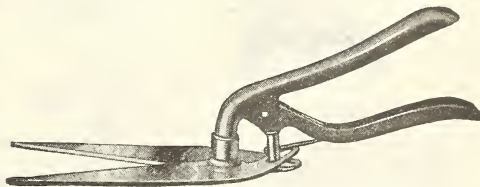


BUSY

A regular water flirter. runs easy. Weight 2 pounds.
Price \$1.25



Fan Spray Sprinkler



THE GOODWIN GRASS SHEARS
(Ball Bearing)

The new Goodwin Grass Shear can be used for hours without tiring or injuring the hands. No more blisters or skinned knuckles—the design of the Goodwin eliminates all the faults of the old type shears. This is just one of the reasons why you'll find it easy to sell Goodwin's to every customer who is using the old-fashioned shears. The "Goodwin" particularly appeals to women because it is so easy and pleasant to use.

Price—No. 10, \$1.75; No. 20, \$1.25, postpaid.

FAN SPRAY SPRINKLER

A doubtful looking sprinkler but a dandy. Throws a fan-shaped mist fourteen feet in front only. Just the sprinkler for new flower beds, lawns, etc. Set it on the walk or next to the house and throw the water only where it is wanted.

Price 60c, postpaid

For Beautiful Lawns, Grounds and Gardens

Mist-like showers, soaking downpour or solid stream—all at, instant command in every Rain King. Throws more water and throws it farther than other sprinklers on the same pressure.

Rain King

All Sprinkling Actions Combined
in Each Rain King

THE BEST SPRINKLER MADE

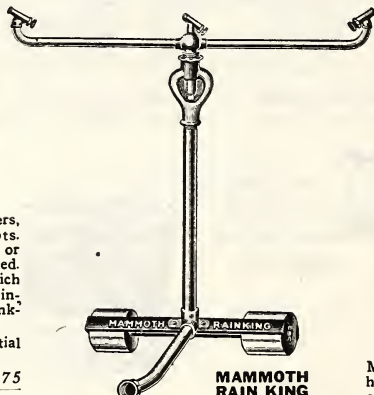


STANDARD RAIN KING

Waters small or large lawns, corners, long strips and odd-shaped spots. Sprinkles two directions at once or concentrates wherever water is wanted. Bearings are free from pressure which gives the Rain King long life and insures better sprinkling. Has a sprinkling range from four to 45 ft.

Weight 3 lbs. Packed in a substantial carton.

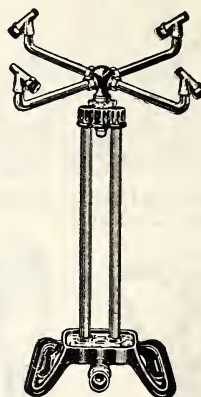
No. X2422. Each. \$3.75



MAMMOTH
RAIN KING

For golf courses, parks, large estates, etc. Connections, uprights, arms and nozzles are all over-size and will throw more water over a larger surface and distribute it more evenly than any other sprinkler. Each Mammoth has both $\frac{3}{4}$ in. and 1 in. hose connections. Arms of solid brass tubing. Base of new roller type makes the Mammoth as easy to handle as the smallest sprinkler. Capacity 1,000 gallons of water per hour on 45 lb. pressure. Sprinkles 6,000 sq. ft. at a single setting. Height $3\frac{1}{2}$ ft. Spread of arms 4 ft. Wt. 32 lbs.

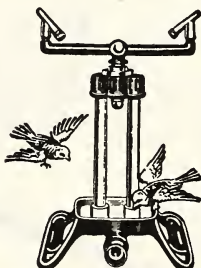
No. X6650. Each. \$25.00



MAJESTIC C RAIN KING

Has same base and water columns as Majestic A and B. Has same sprinkler head as the Giant Rain King. Operates on pressure as low as $7\frac{1}{2}$ lbs. Throws 915 gallons of water per hour on 40 lb. pressure and will sprinkle 5,500 sq. ft. at a single setting. Weight 12 lbs.

No. X8589. Each. \$10.75



MAJESTIC RAIN KING

Is built a little heavier than the Standard and has a sprinkling range from 5 to 50 ft. Because of extra height, throws spray well out over tops of nearby plants. Has attractive bird bath base.

Majestic A 15" high. Weight 10 lbs.
No. X6325. Each. \$7.00

Majestic B 24" high. Weight 10 lbs.
No. X6353. Each. \$8.00



RAIN KING HOSE COUPLER

Instantly connects hose to faucet, hose to sprinkler, hose to nozzle, or hose to hose. Snaps together or apart instantly. Saves time, saves twisting and wear of hose. Fits over regular hose fittings. Makes a firm, leak-proof connection that stays "put."

No. X6136. $\frac{3}{4}$ in. and $\frac{1}{2}$ in. size. Each 60c

No. G6145. Female End Only. Each. 35c

No. G6146. Male End Only. Each. 25c

Net Weight Complete $4\frac{1}{4}$ oz.

No. X6740. 1 in. size. Each. 80c

No. G6742. Female End Only. Each. 45c

No. G6741. Male End Only. Each. 35c

Net Weight Complete 8 oz.



GIANT
RAIN KING

For big lawns, flower beds and vegetable gardens. An ideal sprinkler because of its large capacity and perfect distribution of water. Has four sprinkler arms. Can be quickly set for all of the adjustments of other Rain King sprinklers. Rain King quality of construction throughout with pressure-free, non-corroding, bronze bearings. This sprinkler is good for many years of satisfactory service. Stands on a sturdy, widespread tripod with metal pads to prevent injury to finest turf or tender growth. Height 4 ft. Width of arms 20 in. Weight 20 lbs.

No. X2070. Each. \$14.50

LITTLE WONDER RAIN KING HOSE NOZZLE

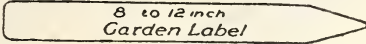
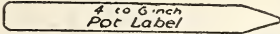
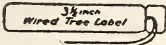
Positively the simplest to use and the most efficient garden hose nozzle made. A touch of the finger on the shut off control changes from long solid stream to intermediate sprays to complete shut off. Leak-proof and wear-proof. Made of all brass. $3\frac{1}{4}$ in. long. Fully guaranteed. Weight 6 oz.

No. X8483. Each. 90c



From long solid stream through every spray to complete shut off with $\frac{1}{4}$ turn of the finger tip control.

LABELS



TREE LABELS

Copper Wired and Painted

3 1/2 inch—35c per 100, \$2.90 per 1000

POT LABELS

6 inch—40c per 100, \$3.00 per 1000

5 inch—35c per 100, 2.50 per 1000

8 inch—85c per 100, 7.50 per 1000

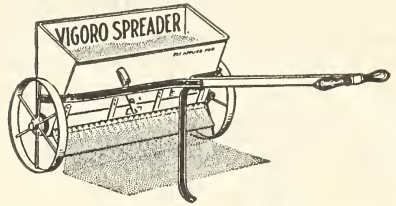
GARDEN LABELS

10 inch—\$1.00 per 100, \$9.00 per 1000

12 inch—1.50 per 100, 12.50 per 1000

STAKES—JAPANESE BAMBOO Green Painted

	100	1000		100	1000
1 1/2 ft.	\$0.75	\$5.25	3 ft.	\$1.35	\$ 9.00
2 ft.	.95	6.25	3 1/2 ft.	1.40	9.50
2 1/2 ft.	1.10	7.50	4 ft.	1.50	10.50
Japanese Bamboo, not painted, 6 ft.	2.00	14.50			



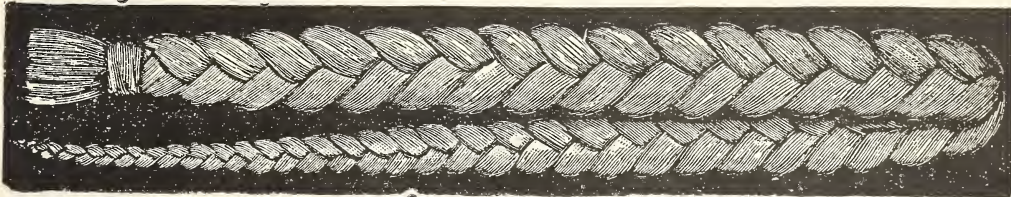
The Vigoro Spreader, although light in weight, is extremely durable and with reasonable care will give years of service. Capacity of hopper is 75 pounds of Vigoro and approximately 25 pounds of seed mixture.

It is easy to push, even when loaded to capacity. A baffle plate in the hopper takes the weight of material off the agitator. It applies the same amount whether hopper is full or almost empty.

The non-clogging, rotating force feed principle insures even agitation and distribution. There are no gears or delicate parts to wear out or get out of order.

RAFFIA

Natural color, for nursery and garden work, also used for making baskets. 40c per lb., postpaid



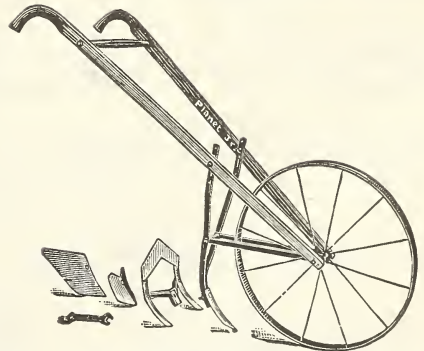
Size		Price
6D	—Works 6-inch strip.	\$ 9.25
8 1/2 D	—Works 8 1/2-inch strip.	10.60
10D	—Works 10-inch strip.	11.75
11D	—Works 11-inch strip.	12.60
12D	—Works 12-inch strip.	13.45

THE BARKER, JR.

We do not carry this in stock but can supply on short notice.

No. 6—The Baby BARKER, Jr.	Price \$7.25
No. 8 1/2—The BARKER, Jr.	Price \$7.95
No. 10—The BARKER, Jr.	Price \$8.45

No. 66—The Twin-Six BARKER, Jr. This is two six-inch Baby BARKERS fastened together, with adjusting rods. Weeds and mulches both sides of a row at one time. Can be used singly, if desired. Price \$14.50



No. 119 PLANET JR. GARDEN PLOW AND CULTIVATOR

This new member of the "Planet Jr." family will appeal to all those who prefer a high wheel tool for their garden work. Where the soil has not been so thoroughly and carefully prepared the high wheel undoubtedly makes an easy running tool.

The wheel is 24 in. in diameter with a rim 1 1/2 in. wide, insuring easy running in the lightest soil.

The equipment is so complete that it will meet all the needs of the ordinary garden, where the adjustments and refinements of the higher priced Wheel Hoes are not required. Price \$5.00.

PEAT MOSS

NATURE'S SOIL IMPROVER

The ideal all year rose mulch. [Large bale of 8 bushels.

PEAT Makes Poor Soil Good and Good Soil Better
\$3.00 Per Bale, F. O. B. Portland

Planet Jr. Garden Tools

Space will permit our describing only a few Planet Jr. Tools, but we will send to all who ask for it a fully illustrated catalogue of Planet Jr. Garden Implements.



No. 25
PLANET JR.
Price \$21.00

No. 25 PLANET JR.

Combined Hill and Drill Seeder and Double Wheel Hoe, Cultivator and Plow. Valuable for gardeners who have enough acreage for a double wheel hoe. Combines in a most practical way the No. 4 Drill and No. 12 Double and Single Wheel hoe. Holds $2\frac{1}{2}$ quarts of seed. Weight packed, 61 pounds. Price \$21.00.



No. 4
PLANET JR.
Price \$18.00

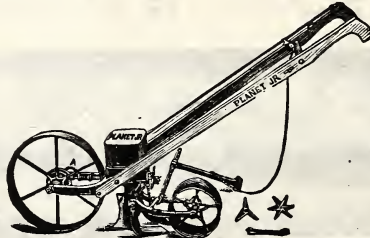
No. 4 PLANET JR.

Combined Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow. This tool combines in a single convenient implement, a capital hill-dropping seeder, a continuous row seeder, single wheel hoe cultivator and garden plow. Holds $2\frac{1}{2}$ quarts of seed. Weight 50 pounds. Price complete, \$19.00. As Seeder only, \$18.00.



No. 11 PLANET JR.

Double Wheel Hoe, with 2 pairs hoes, 2 pairs cultivator teeth, 2 pairs rakes, 1 pair plows and 1 pair leaf lifters. Price \$13.50.



No. 3 PLANET JR.

Hill and Drill Seeder
A favorite among onion growers, market gardeners and seedsmen. The special force feed is admirable, working equally well whether sowing with an ounce or a full hopper. 15-inch Steel Driving Wheel. Holds 3 quarts of seed. Weight packed, 43 pounds. Price \$17.00.



No. 16 PLANET JR.

Single Wheel Hoe with 1 pair hoes, 3 cultivator teeth, 2 rakes 1 plow and 1 leaf guard. Price \$9.00.



PLANET JR.
SEEDER
ATTACHMENT
No. 35

For hot-bed or greenhouse work. Can also be attached to the 119 Wheel Hoe or all Single and Double Wheel Hoes. Without Handle... \$6.00
With Handle.... 6.50



No. 12 PLANET JR.

Double Wheel Hoe, with 1 pair hoes, 2 pairs cultivator teeth, 1 pair plows and 1 pair leaf lifters. Price \$10.50.



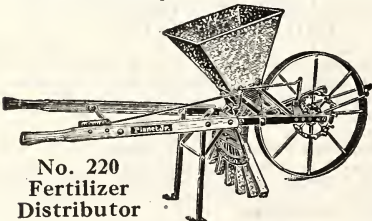
No. 17 PLANET JR.

Single Wheel Hoe, with 1 pair hoes, 3 cultivator teeth and 1 plow. Price \$7.75.



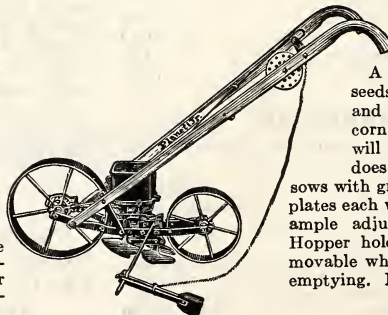
No. 18 PLANET JR.

Single Wheel Hoe, with 1 pair hoes only. Price \$5.75.



No. 220
Fertilizer
Distributor

Capacity one bushel. Will distribute 100 to 2000 pounds of commercial fertilizer to the acre. Six adjustable spouts spreading from four to thirty inches. Equipment includes plates for closing up four spouts or three spouts on left side. Hopper placed well forward over wheel making lighter load and easier pushing. Feed can be opened and closed without stopping. Price \$27.00.



No. 300 DRILL SEEDER

A plate or disc seeder for all seeds from the smallest up to and including peas, beans and corn. Growers of peas and beans will appreciate this seeder as it does not break the seed and sows with great regularity. Only three plates each with thirteen holes, making ample adjustment for various seed. Hopper holds four quarts and is removable which makes easy filling and emptying. Net weight 36 pounds.



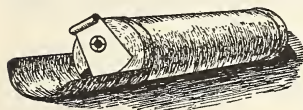
Will sow Timothy, Clover, Wheat, Oats, Rye, Buckwheat, Hungarian, Red Top, Millet and all other grains and seeds perfectly even, and any desired amount to the acre, and from 40 to 60 acres a day. Price \$2.25.

THE HORN SEED SOWER

Will sow 40 to 60 acres per day of alfalfa, clover, timothy, millet, etc. Spread seed evenly from 30 to 40 feet. Price, postpaid, \$1.00.



THE HORN THE ECONOMICAL SEEDER



A handy little tool which will be found useful and economical in sowing all fine seeds. It is made of zinc and measures $4\frac{1}{4}$ inches over all.

The instrument is small enough to be held in the palm of the hand and the amount of seed is controlled by a simple action of the thumb, operating a slide regulating the flow of the seed. It has a capacity of one ounce of aster seed and more or less of other seed according to size. It is especially recommended for sowing finer flower seeds, such as begonia, calceolaria, cineraria by florists and all the smaller vegetable and flower seeds in the garden. Each 60c, postpaid.

FASTEST OF ALL GRASS SEEDERS

Thompson's Seeder No. 11

\$15.50 Each



For broadcasting Grass, for sowing Red Top, Clover, Timothy and all mixed seeds. Light, strong and simple.



THE EUREKA POTATO PLANTER

Price \$1.75



EUREKA



THE PINGREE POTATO PLANTER \$1.25 each

For Corn Planters see page 15.

Cultivating Attachments for Planet Jr. Tools



Hoes



Rakes



Cultivator
Teeth



Plows for
D. W. Hoes

Hoes. C and D1 for cast frame wheel hoes. C11 and D11 for steel frames. Made in four widths. Cutting $4\frac{1}{2}$ -inch, per pair, \$1.20; 6-inch, per pair, \$1.30; 7-inch, per pair, \$1.60; 9-inch, per pair, \$1.75.

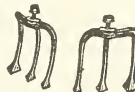
Peat Land Hoes. Like the C & D Hoes, but with extra wide high shields to prevent dirt from falling back and covering the plants. 6-inch cut only, per pair, \$2.60.

Double Mouldboard Plow. It can be set to furrow wide or narrow, or to hill much or little. Width at widest, 14 inches; narrowest, 10 inches. Each, \$2.40. With connecting piece for double wheel hoes and No. 25, 85c extra.

Plows for Double Wheel Hoes. M4 and N4 for cast frames, M5 and N5 for steel frames. Per pair, \$1.40.



D. Mould Board
Plow



Three-Prong
Cultivator Teeth



Plow for
S. Wheel Hoe

Cultivator Teeth. No. 1395. Fit combined seeders and double and single wheel hoes. Each 40c.

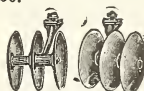
Plows for Single Wheel Hoes. R3 for cast frames, R6 for steel frames. Each \$1.35.

Three-Prong Cultivator Teeth. For fine, deep work. Per pair, \$1.75.

Onion Harvester. 8-inch size for onions and onion sets. These make splendid weeder. Each, \$1.60.

Rakes. Made in 3 sizes. Three-tooth, per pair, \$1.30; five-tooth, per pair, \$1.70; seven-tooth, per pair, \$2.40.

Note—All attachments on this page will fit Planet Jr. Single and Double Wheel Hoes and Combined Seeders and Wheel Hoes, excepting Nos. 19, 31, 33, 60, 65 and 66.



DISC HOES

Adjustable, cuts and turns the soil, throws to or from the rows.

Price, pair \$3.50.

PLANET JR. GARDEN TOOLS

Space will permit our describing only a few Planet Jr. Tools, but we will send to all who ask for it a fully illustrated catalogue of Planet Jr. Garden Implements.

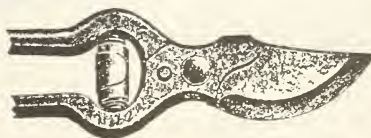
No. 2 PLANET JR. EDGER



Neatness is the great secret of attractiveness in grounds surrounding a house, and to have this neatness the grass bordering walks must be frequently edged or trimmed. With the No. 2 Planet Jr. Edger you can edge either straight or curved walks of cement, stone or brick, rapidly and easily. Weight $3\frac{1}{4}$ lbs.

The edging disc is made of high grade steel and will last for years. Price \$1.60.

A DANDY PRUNING SHEARS



No. B-100-8

\$1.00 postpaid



The "NOC-OUT" Fertilizer and Lawn Seed Distributor

The "NOC-OUT" Fertilizer Distributor is a new, inexpensive time and labor saving device for distributing the various commercial Plant Foods or Fertilizers on small areas, such as gardens, potato furrows, lawns, and around vegetables, shrubbery, and low leafy plants.

As is well known, there are many different kinds of Commercial Fertilizers, some of which are ground to a fine powder which is inclined to bank or clog when fed to a feed-gauge of a distributor, resulting in retarded or uneven flow of materials. **Lawn Grass Seed** too is somewhat "bunchy" and is liable to clog in a feed-gauge when set to sow sparingly. The "NOC-OUT" overcomes all this trouble by means of an oscillating "knocker" which sets up a vigorous vibration when operated by short to-and-fro or small circular movements. The result is a steady, uniform flow through feed regulator.

The "NOC-OUT" is simple in construction, inexpensive, is easily operated and with it fertilizers are applied to the soil quickly, evenly and economically. Every Gardener, Trucker and Farmer using commercial fertilizers will welcome this appliance as it will not only quickly

pay for itself in the saving of material by even distribution, but it also eliminates the wasteful, laborious, slow and unsanitary way of handling with the hands.

The "NOC-OUT" is equipped with an adjustable Feed Gauge by which the flow of materials can be regulated as desired. **Price \$1.25 each, postpaid.**



FOR LAWNS

The Cyclone Planting and Picking Bag No. 1

A good quality, convenient, service Bag especially adapted for picking apples or other hard fruits, gathering seed corn, etc. An owner will find many other uses for this Bag. It is made of heavy canvas, high grade spring steel and is shaped so it hangs in a comfortable position for filling. The steel frame keeps the mouth of the Bag always open. Has a heavy adjustable shoulder strap.

The Cyclone Bag No. 1 is designed particularly for ease and convenience in emptying fruits without bruising them. As is shown in the picture, the bottom of the Bag, left open, is folded back and held secure by the rope and hook. To empty, it is necessary only to release the rope and allow contents to flow gently into a crate or barrel. It will be noted that both hands of the picker are free for his work.

Price \$1.25 each, postpaid



The Cyclone Planting and Picking Bag No. 2

A combination of convenience and comfort for the one who plants potatoes, picks apples, or gathers seed corn, etc. Makes a nice Clothes Pin Bag for the laundry lady.

Is nicely made from heavy duck and has a heavy adjustable web strap.

The mouth of the bag is fitted with a steel frame which keeps it open. It hangs in comfort and leaves both hands free. **DO IT THE EASY WAY.**

Each 75c, postpaid



Germāco

Hotkaps

They are individual hothouses for each plant economically priced, to insure against the crop hazards of frost, rain, wind and insects. They are made of strong, durable, properly ventilated wax paper, light in weight, easy to use. "Hotkaps" bring crops to earlier maturity. Many write us that they have been first to market by from one to three weeks and as a result have been able to get higher prices. Farmers quickly appreciate them. Once you've tried them, you'll always use them. They afford the best crop insurance and bring you more profit.

Special for Home Gardeners

For those who do not realize so many we have made up a special offer of 250 "Hotkaps" complete with a pressboard garden setter for \$4.00, f.o.b. Portland.

PRESSBOARD
Each 50c

TKAP" SETTERS
Portland

Quantity	Price per thousand
1 M.	\$11.50
5 M.	11.00
10 M.	10.75
25 M.	10.50

ALUMINUM "HOTKAP" SETTERS
Each \$2.50

All prices f.o.b. Portland

INSECTICIDES AND FUNGICIDES

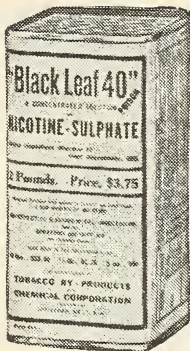
ACME ALL-ROUND SPRAY

Flowers, vines, shrubs, roses, vegetables need protection same as commercial crops. All-Round Spray contains the three leading remedies used by all large growers, arsenate of lead, nicotine sulphate and Bordeaux mixture. Perfect protection for the small user is assured by complete directions in form of spraying guide attached to every package.

¼ lb. carton 35c 1 lb. carton 85c
F.O.B. Portland; not mailable.

ARSENATE OF LEAD (Dry)

For dusting and spraying. Solves the problem of controlling practically all leaf-eating insects in an efficient manner. Write for price.



"BLACK LEAF 40" 40% Nicotine

Destroys Aphis, Thrips, Leaf Hoppers on all tree, bush and vine fruits, vegetables, field crops, flowers and shrubs; also Apple Red Bug, Pear Psylla and similar soft-bodied sucking insects—all without injury to foliage. Combines readily with other sprays. Also for poultry lice.

1 oz., 6 gals spray \$0.35
½ lb., 40 to 120 gals. spray . . . 1.25
1 lb. 2.50
2 lb., 150 to 500 gals. spray . . . 3.75
5 lb. 7.00
10 lb., 800 to 2500 gals.
spray 11.85

Cannot be mailed

FUNGI-BORDO (Bordeaux Mixture)

¶ In powdered form, mixes perfectly with cold water. For peach, tomato and potato blight, all fungus diseases. Write for price.

BLUE STONE (Sulphate of Copper)

Applied in time it will prevent mildew and all fungus diseases. Also prevents smut on barley and wheat, by soaking seed to be planted in a solution of 1 pound to 6 gallons of water for ten or fifteen minutes. May be sent by parcel post. Write for price.

BUG DEATH Effective But Not Poisonous

Every garden is bothered by bugs of some kind but many people are afraid to use the regular insecticides because they are poisonous.

In Bug Death we offer an insecticide which is easy to apply, which kills all bugs that eat the stems and leaves of plants, but which is not poisonous. It is harmless to human beings and live stock. It can be kept in the house without danger as it won't hurt the children even if they should happen to get some of it.

Reg. U. S. Pat. OFF.

Don't Wait Until the Bugs Appear—Order Bug Death With Your Seeds

Bug Death is a very fine house powder and can be applied either dry or in solution. The one-pound cans have sifter tops which are very convenient.

Prices on Bug Death: 1 lb. Sifter Top Cans, 35c; 3 lbs. 75c; 5 lbs. \$1.00; 12½ lbs. \$1.75, postpaid.



A Successful
Remedy
for
Cabbage
Maggot

For destroying and preventing maggots, grubs and worms that infest turnips, radishes, beets, rutabagas, cabbage and cauliflower, etc., also recommended for combating crown borers in strawberries. ½ pt. 50c; pt. 75c; qt. \$1.25; gal. \$2.75.



THE POWDER OF MANY USES

Send for Carbola Circular

Use CARBOLA Instead of Whitewash

Carbola is a white paint in powder form combined with a disinfectant many times stronger than pure carbolic acid. It is non-poisonous and non-caustic. It kills lice, mites, fly eggs, etc., and helps prevent the start and spread of contagious diseases that affect man, beast and fowl. Carbola is two things in one—a paint that disinfects or a disinfectant that paints. It dries a clear snow white. It saves labor, time and money. It paints and disinfects at one operation in the same time and with the same labor required to paint or disinfect only.

Carbola is recommended for use instead of whitewash in every place where whitewash ordinarily is used.

Garages
Factories

Warehouses
Cellars

Outbuildings
Tree Trunks

It is recommended for use instead of whitewash and disinfectants in

Poultry Houses
Creameries
Stables

Rabbit Hutches
Hog Pens
Kennels

Barns
Dairy Buildings

NEW DISCOVERY—DUST IT!

In Flower Gardens. CARBOLA is an extremely effective remedy for fighting bugs and worms on rose bushes, chrysanthemums, flowers, shrubbery and plants of all kinds. Dusting with CARBOLA insures large blooms free from insects. Nowhere are the beneficial results of CARBOLA more quickly apparent than in the flower garden.

CARBOLA is also recommended for painting tree trunks of fruit and ornamental trees to keep off bugs and worms.

In Vegetable Gardens. CARBOLA has been found very effective for ridding plants and vegetables of bugs and worms. It is especially recommended for the cabbage worm, squash bug, cucumber worm, aphid fly, potato bug and other destructive insects that infest vegetables and berry and fruit bearing trees. Dust the CARBOLA early in the morning while the dew is on.

5-pound pkg Postpaid \$0.75
10 pounds (10 gal.) Postpaid 1.50
5 pounds (50 gal.) Prepaid 6.25
200-pound bags Prepaid 22.00

The postpaid prices apply only to the 1st, 2nd and 3rd zones

USE FEENEY DUST GUN FOR DUSTING CARBOLA



The dust cloud from a Model B Duster covers every surface of the thing that is to be dusted—top, sides, underside and all—hunts every crack and crevice—nothing escapes being treated—it does the job completely.

Price \$1.25

INSECTICIDES AND FUNGICIDES

"EVER GREEN"

Non-Poisonous Insecticide



**Sure Death to Plant Insects—
Harmless to Man, Birds
and Animals**

A sure killer of most plant insects—and yet offers no poison whatever to human beings, livestock or birds—it is positively not a poison. The active principle is Pyrethrum, or insect flowers, which has this valuable property of being deadly to nearly all insects. Especially recommended for killing Cut Worms, Cabbage Worms, Green Flies, White Flies, Thrips, Leaf Hoppers, Currant Worms, Aphids, Rose Chafer, Rose Slugs, Pear Slugs, Mealy Bugs, Mites, Red Spiders, Japanese Beetles, Leaf Tiers, Potato Beetles, Squash Beetles (Stink Bugs), Aster Beetles, Bean Beetles, Cucumber Beetles, Ants, Plant Lice, Melon Bugs.

PRICES NOT POSTPAID
1 oz. bottle 35c; 6 oz. bottle \$1.00; 16 oz. bottle \$2.00; 32 oz. bottle \$3.50; 1 gal. bottle \$13.00.

FORMALDEHYDE

Treat Your Seed With Formaldehyde

A preventive for smut in grain—scab and fungus diseases of potatoes.

Formaldehyde is a clear chemical, resembling water, but has a peculiar odor. It is sold by the pound (pint). One pound is sufficient to treat 40 to 50 bushels of oats.

Prices: Pints, 60c; quarts, \$1.00; express or freight at purchaser's expense; cannot be mailed.



HAMMOND'S GRAPE DUST

To prevent mildew on roses, grapes and gooseberries.

5-lb. pkg. \$1.00, postpaid \$1.15.

LIME SULPHUR (Dry)

Controls all scale and fungus diseases for which Lime-Sulphur Solution is recommended. More convenient to handle and saves freight on water. Put up in air-tight packages, which should be used when opened. For Winter Spray use 10 to 14 pounds to fifty gallons of water. For Summer, in combination with Arsenate of Lead, use 2 to 3 pounds to fifty gallons of water.

Price: 1 lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.00; 25 lbs., \$3.75; 100 lbs., \$12.50.

LIME SULPHUR (Solution)

The best remedy for San Jose scale. One gallon makes twelve. Also one of the best summer sprays, as it is an excellent fungicide. When used in summer dilute with 20 to 30 parts water. Qt. can, 25c; gal. can, 75c; 5-gal. can, \$2.25; 50-gal. barrel, write for price.

MAGGOTBATE

You Can Control Root Maggot

Easily applied, inexpensive, not harmful to plant life; but a valuable fertilizer and stimulant in powder form. Absolutely protects cabbage, radishes, turnips, onions, etc.

Price: 2-lb. carton, 25c; 25-lb. bag, \$2.25; postage extra.

USE CARBOLA

NICO-FUME LIQUID

The purest and mostly refined nicotine product offered for spraying, vaporizing and fumigation in Green Houses. Our Florists like Nico-Fume better than other preparations.

Nico-Fume Liquid for spraying or vaporizing: 1-lb. tin, \$2.00; 4-lb. tin, \$6.25; 8 lbs. (gal.), \$11.50. (Cannot be mailed.)

"NICO-FUME" TOBACCO POWDER

Tobacco Powder impregnated with a high strength nicotine solution. Effective for fumigating in greenhouses to destroy Aphids, Thrips, etc. Fill 2½-inch flower pot heaping full of "Nico-Fume" Powder, pour powder out on ground or cement walk in a narrow pile about 7 inches long and light. Use a pile to each 5000 cubic feet of air space. Place piles equal distance apart.

1-lb. can, \$1.00; 5-lb. can, \$3.75; 10-lb. can, \$6.85. F. O. B. Portland.

PARIS GREEN

Directions for use: Four to six ounces to fifty gallons of water. Or two teaspoonfuls to one gallon of water. For cut worms and grasshoppers add one tablespoonful of Paris Green to ten pounds of bran and spread about the base of the plants. It is always well to add ¼ lb. Paris Green to each barrel of Bordeaux when spraying tomatoes. Write for price. Cannot be sent by mail.



Dust with Pomo-Green

The Leaf-green Dust An Easy, Effective Way to PROTECT YOUR ROSES

and other Flowering Plants Against Insects
and Fungus Diseases Without Making the
Treatment Conspicuous

Dusting with "leaf-green" Pomo-Green is the protective method used by experts! Best for your garden, too. Pomo-Green is the celebrated Massey Dust made more toxic and colored green.

Roses—Black Spot, Mildew or Chewing Insects are bound to appear. Pomo-Green prevents and controls these insects and diseases quickly and effectively.

Flowering Plants—Pomo-Green is a specific for the control of Snapdragon Rust, Carnation Rust, Sweet Pea Mildew, Phlox Mildew, Lilac Mildew and many other fungus diseases of flowering plants and shrubs.

Protect new growth by dusting with Pomo-Green once each week throughout the growing season.

1-lb. can, 50c; 5-lb. carton, \$2.00. Cannot be mailed.



1-lb. can



5-lb. carton

SULPHUR

For Dry Dusting of Trees, Vines, Etc., Bleaching
Fruit, etc.

It has been proven and so recommended by the University of California that if you sulphur your grape vines and orchards six times they will not be affected by Mildew or Red Spiders and rust. Write for price.

SULPHUR CANDLES

These will burn for 3 hours and are fine for fumigating hen houses and dog kennels, killing all vermin.

Price: 15c each, postpaid

INSECTICIDES AND FUNGICIDES



HAMMOND'S SLUG SHOT — Used from Ocean to Ocean. A light, composite, fine powder, easily distributed either by dusters, bellows, or in water by spraying. Thoroughly reliable in killing Currant Worms, Potato Bugs, Cabbage Worms, Chicken

Lice, Slugs, Sow Bugs, Mexican Bean Beetle, Army Worm, and it is also strongly impregnated with fungicides.
5-lb. package, 75c, postpaid for 90c.

TREE TANGLEFOOT.—A sticky compound to band trees or large plants to prevent crawling insects from going up the stalks or trunks. Prices: 1-lb. can, 60c; 5 lbs., \$2.75; 10 lbs., \$5.25. Postage extra.

TOBACCO DUST.—High grade. 1 lb., 15c; 10 lbs., \$1.25.

WHALE OIL SOAP (Fish Oil)

This is not only an excellent insecticide for killing plant lice and fungus growth, but should be mixed with most all liquid sprays as it causes the spray to adhere much better to the leaves. 1 lb., 25c. Write for quantity price.

INSECT, RODENT AND WEED KILLERS, Etc.

ATLACIDE NON-POISONOUS WEED KILLER PATENTED DUSTER

1-lb. DUSTER	50c Each
(kills 100 square feet of weeds)	
3½-lb. DUSTER	\$1.50 Each
(kills 350 square feet of weeds)	
Bulk sizes for refilling duster or for making solution	
50-lb. Drum	\$ 7.00
(kills 5,000 square feet of weeds)	
100-lb. Drum	14.00
(kills 10,000 square feet of weeds)	
200-lb. Drum	27.00
(kills 20,000 square feet of weeds)	

The Atlacide Duster is especially adapted for killing weeds in paths, driveways, tennis courts, brick walks, gutters, in fence corners, along stone walls, etc. It kills all weeds and grasses including Johnson Grass, Wild Morning Glory, Quack Grass, Canada Thistle, Poison Ivy, etc.



GAS BALLS—For Gophers or Moles

For the extermination of Ground Squirrels, Gophers, Prairie Dogs and Moles.

SAFE—SURE—ECONOMICAL

Will not explode. Do not deteriorate. No danger to Live Stock, Domestic Fowls or Wild Game.

Hold the exterminator in mouth of squirrel's burrow, light the sharp edge with torch or match, after the ball is ignited and burning freely roll it as far as possible into the burrow. Cover the hole with clod of dirt, then with enough fine dirt to seal tightly so that none of the gas fumes can escape. Throw no fine dirt on the burning ball. Each 5c; doz. 40c, postpaid.

WOOD-LARK SQUIRREL AND GOPHER POISON

Ready for Instant Use—Never Fails

Is guaranteed the most reliable and destructive agent yet devised for the extermination of squirrels, sage rats, prairie dogs, pocket gophers, field mice and crows. Every kernel is warranted to kill. We will cheerfully refund the purchase price in every case in which it fails to satisfy. Should be used early in the Spring, when green food is scarce. Place a few kernels near the burrowing place of the animals. Care should be used in placing it so as not to destroy song birds.

Price: 1-lb. cans, each 50c. Cannot be mailed.

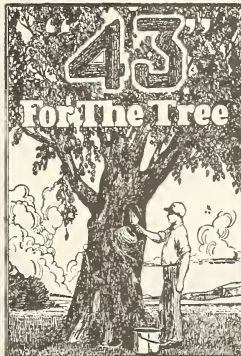
"43" FOR THE TREE (Liquid)

(An Antiseptic, Pruning Compound)

A penetrating speedy brush application for coating over, sawed-off limbs, and surface bruises. Excellent for nursery men, fruit growers, home-owners, tree-surgeons, etc. A heavy liquid that forms an air-tight coating over the wound, and makes the healing of the cut easy for nature.

Contains practically the same antiseptic oils approved for expert tree surgery work as are used in "43" (Plastic). Antiseptic ointment prevents small animals from peeling bark off young fruit trees. An economical tree dressing per tree coated. Color black.

1 Pint Can	\$.40
1 Quart Can .....	.75
½ Gallon Can	1.25
1 Gallon Can	1.75



"43" FOR THE TREE (Plastic)

(A Scientific Cavity Filler for Trees)

Keep your trees beautiful and productive. For a decayed trunk or limb, fill the wound easily and quickly with this scientific, healing plastic compound. Contains about 18 ingredients especially used to combat disease, protect and waterproof the wound, and aid the growth of the tree. Comes ready for use. Anyone can most economically apply "43" with good results.

Sets firmly yet pliable, and helps the tree heal well around the injury allowing for natural growth. Does not sag away from crevice or cavity.

1-lb. Can (Pint Can)	\$.40
2½-lb. Can (Quart Can) .....	.75
5-lb. Can (½-Gal. Can)	1.25
10-lb. Can (Gal. Can)	1.75

REMEDIES

BARNES WORM EMULSION

Many so-called remedies are offered and some will cause live worms to be expelled, but the expelled worms are frequently eaten by poultry, and greater infection results than before because the worms themselves are a mass of eggs. But Barnes Worm Emulsion kills the worm, eggs and all, without harm to the chicken. Send for booklet giving full details.

16 oz. 60c; qt. \$1.00; gal. \$3.00; 5 gal. \$12.50

KOW KARE

Kow Kare (originally Kow Kure) is different from anything ever discovered for cow troubles. It is the only cow medicine that is strictly for cows only. It is not a stock food, but a specific remedy especially for cow diseases, such as Barrenness, Scours, Milk Fever, Caked Udder, Bloating, Red Water, Swelling of Bag, etc. It prevents abortion and removes retained after-birth. It tones up the system, renews vitality, restores appetite to cows that are "off feed," and keeps them healthy. Makes poor cows good, good cows better, and makes more money for cow owners. It increases the milk flow, and enables the cows to produce strong, vigorous calves. It is the dairyman's gold mine, and a sure profit-payer.

Medium cans, price 65c; large cans \$1.25

Write for Booklet, "More Milk from the Cows."

USE BLACK LEAF 40

For Controlling Poultry Lice

Especially recommended for controlling poultry lice, by simply painting or spraying the roosts with it. 1-oz. bottle 35c; ½ lb. \$1.25; 2 lbs. \$3.75; f.o.b. Portland. Not available.



CHICK TABLETS

Don't sit back and say your loss of baby chicks can't be stopped. IT CAN BE STOPPED—easily, quickly, and at almost no expense. All you need do is drop an Avicol tablet in the water occasionally. Avicol is a special bowel astringent, and helps the chick withstand infection.

Price 50c; Special Large Size (almost 3 times 50c size), \$1.00.



Wormoids

Large round worm infestation in poultry is a common condition. Many flocks are badly affected—yet the poultryman is not aware of it. The most common symptoms are general emaciation, wasting away or going light. If your flock is not in good health, it is a mighty good plan to look for intestinal worms.

Price, 50 Capsules \$1.00, postpaid

GERMOZONE

KEEPS POULTRY HEALTHY

Germozone is a popular and very effective medicine for poultry and pet stock against colds, sore head, chicken pox, bowel trouble, skin diseases, sores, and wounds. Has been on the market for 20 years and proved its worth.

Small bottle liquid, postpaid. \$0.40

Medium bottle liquid, postpaid.75

Large bottle liquid, postpaid. 1.50

GOLD LEAF TOBACCO POWDER

As a result of extensive investigation carried on by the California Agricultural Experiment Station, it was found that finely powdered tobacco was a most effective remedy against round worms in poultry which could be used; one that is uniform in strength and texture, and contains not less than 1% and not more than 1.5% of actual nicotine. These requirements are provided in "Gold Leaf" Tobacco Powder. Prices, 2-lb. pkgs. 30c each or \$3.00 per doz.; 10-lb. pkgs. \$1.00 each or \$5.00 per case of 6; 100 lbs. \$9.00; f.o.b. Portland.

BAG BALM

For Bunches, Caked Bag, Cuts, Sore Teats, Chapping and Inflammation.

Bag Balm strikes into the milk glands, allaying irritation, relieving congestion and softening the tissues. It heals the skin troubles, and makes the teats soft and pliable. A few applications relieves the worst cases. Bag Balm is soothing, healing and penetrating. ½-lb. tin 60c

Group-Over

(Formerly Called Roup-Over)

For Colds in Poultry

Use this famous remedy at the very first symptom of colds in your flock. It clears the air passages and brings relief with magic quickness. Easily used, both for individual treatment and in the drinking

water for flock prevention. Leading poultry raisers everywhere now use Group-Over, the over-night remedy. It's so easy! So sure! There's no other remedy like it—nothing "just as good." Have a bottle ready to use when you need it. Price 50c; Large Size (3 times the 50c size), \$1.00.



Dr. Hess Poultry Tablets

Formerly DR. HESS ROUP TABLETS

For Roup, Diphtheria, Chicken Pox and all catarrhal diseases. It has these distinctive features—it is antiseptic, slightly astringent, non-irritating and healing.

100-15 grain Tablets, 50c, postpaid. Guaranteed.

Dr. Hess Chick Tablets

Formerly DR. HESS WHITE DIARRHEA REMEDY FOR CHICKS

And all poultry affected with white diarrhea. Can be mixed with feed or put in drinking water.

Pkg. 50c, postpaid. Guaranteed.



PAN-A-MIN

Pan-A-Min has been known to poultry raisers for more than 30 years as Dr. Hess Poultry Pan-A-Min.

It is now a greatly improved product. Pan-A-Min is of high value to moulting hens, in egg production, in reducing chick mortality, in bone and feather growth and in maintaining health.

It does not take the place of feed and no feed can take the place of Pan-A-Min.

3 lbs., 65c; 7 lbs., \$1.25; 15 lbs., \$2.25; 25 lbs., \$3.50, postpaid. Guaranteed.

FOR WORMS IN POULTRY

Dr. Hess Poultry Ver-mi-trol is a flock treatment. No individual handling of birds is necessary. It is simply given with the feed in two 10-day courses, three weeks apart, with Dr. Hess Poultry Pan-a-min fed regularly.

It is not drastic, does not throw hens or pullets off production and does not interfere with growth and development of young birds. It is palatable, all birds eat it readily.

As a preventive measure, to avoid worm infestation, a twice-a-year flock treatment, early summer and late fall, is strongly recommended.

4-lb. package, \$1.50, postpaid.



Instant Lice Killer

Guaranteed

Kills lice on poultry, horses, cattle; sheep ticks; bugs on cucumber, squash and melon vines; cabbage worms; slugs on rose bushes, etc. Sold in sifting-top cans. Look for the word "Instant" before buying.

1-lb. packages, 30c; 2½-lb. packages, 60c.

Dr. Hess Dip and Disinfectant

Small	\$.60
Quarts .....	.75
2 quarts	1.25
1 gallon	2.00

Postpaid



CARBOLINEUM

Arrow Carbolineum—Kills chicken mites in poultry houses. Can also be used to advantage on stables, shingle roofs, fence posts, vineyard posts, top poles, tanks, water towers, sidewalk, silos, steps, sills, etc. Put up in—

1 quart cans	\$.60
1 gallon cans	1.60
5 gallon cans	7.50

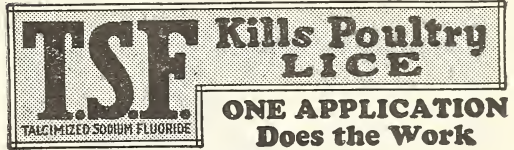


GETS THE EGGS WHEN EGGS ARE SCARCE. KEEPS HENS HEALTHY.

This famous tonic GETS THE EGGS no matter how cold or wet the weather. Easily given in the feed, and beneficial to all poultry. Instead of feeding loafing hens all winter, you can now get big egg yields when eggs are scarce and high priced. Starts pullets laying early. Helps hens through the moult and starts them laying regularly. It must satisfy you, or we will refund your money.

TABLET FORM
50c Size (This is the Trial Guaranteed Size).
\$1 Size (3 times 50c Size)
\$5 Size (6 times \$1 Size)

POWDERED FORM
3 lbs. \$5
10 lbs. \$10
25 lbs. \$20
50 lbs. \$35



ONE APPLICATION Does the Work

T. S. F. kills both old and young lice, including the lice that hatch from the eggs present at time of treatment. Easily given by pinch method, dip or dusting. Specially processed. Adheres to the plumage. Non-Irritating. One application lasts an entire season. Packed in special shaker-top cans with Government's directions for using.

35c Size (enough for 50 birds): Twice the 35c Size, 60c; Five times the 60c Size (Economy Size), \$2.50.

ZENOLEUM LICE POWDER

A high grade fluffy dusting powder, using tobacco as a base, mixed with non-poisonous insecticides. A sure lice killer for poultry and live stock. A big winter help, but good all the year round. Great for chicks. We have succeeded in producing the finest lice powder in the world. Try it now!

Pkg. 35c, postpaid.

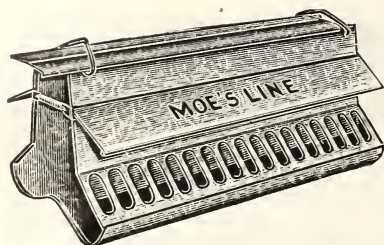


ZENOLEUM

Won't poison—won't hurt you—won't explode or burn. Kills vermin, cures skin trouble.

PRICE LIST ZENOLEUM DISINFECTANT AND DIP

Eight ounces makes 6 gals. of fluid. Postpaid	\$.35
One quart makes 25 gals. of fluid. Postpaid .....	.75
Half gallon makes 60 gals. of fluid. Postpaid	1.25
One gallon makes 100 gals. of fluid. Postpaid	2.00
Five gallons makes 500 gals. of fluid. Prepaid	8.00



ROUND FOUNTAIN

MAGAZINE FEEDER



BIG BOY FEEDERS

Especially designed for growing stock—three to four week chicks—and up to full-grown fowl. Big capacity, about 75 pounds of dry mash, with large wide feeder openings, smooth rounded edges.

Can be placed on the ground or suspended by wire handles. Length, 33 in. with 34 feeder openings.

No. 160—Without the wide covers Each \$4.00

No. 161—With wide adjustable covers (as shown),Each \$4.75

The round taper shape prevents damage from freezing. Made in two pieces accurately formed. Galvanized steel. Easily filled and cleaned.

No. 19—Capacity, 1 quart; Each \$0.25

No. 20—Capacity, 2 quarts; Each \$0.35

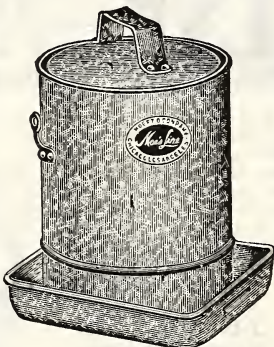
No. 24—Capacity, 1 gallon; Each \$0.50

The top magazine is water and air tight, so can be used as a Feeder or Fountain. Adjustable for various feeds. Holds 2 quarts.

No. 18—Moe's Chick Feeder and Fountain.....Each \$0.55

CLEANABLE TOP FILL FOUNTAINS

Moe's original Top-Fill Fountain, with double walls which keep the water cool in summer and retard freezing in winter. Fills at the top and as easily cleaned as an ordinary pail. Feeds the water automatically, no valves or complicated parts. Heavy galvanized steel, with Square Pan.

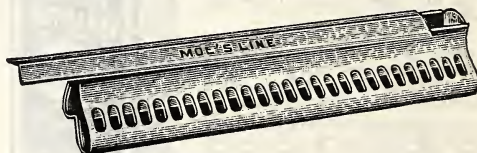


No. 1—Capacity, 1 gallon.....Each \$1.65

No. 2—Capacity, 2 gallons.....Each 2.65

No. 4—Capacity, 4 gallons.....Each 3.15

MOE'S LARGE CAPACITY FEEDERS

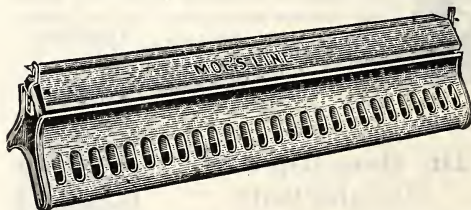


The finest and most popular feeders made, for either small or large flocks. Smooth feeder holes just the right size and shape, and in just the correct position to give the chickens easy access to the feed and yet prevent needless waste. Two sizes.

No. 140—Capacity, 10 quarts; length, 21 in.; 32 feeder holesEach \$1.20

No. 141—Capacity, 17 quarts; length, 35 in.; 54 feeder holesEach 1.80

MOE'S TILTING TOP FEEDER



No. 141-T—The same as No. 141 (shown above), but has a Tilting or Swinging Top so that chickens cannot perch on it. Capacity, 17 quarts; length, 35 in.; 54 feeder holesEach \$1.95

CLEANABLE TOP FILL FOUNTAINS

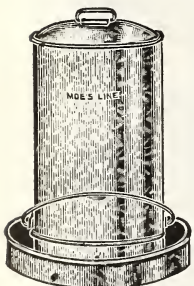
Moe's Top-Fill Fountain, with double walls which keep the water cool in summer and retard freezing in winter. Fills at the top and as easily cleaned as an ordinary pail. Feeds the water automatically, no valves or complicated parts. Heavy galvanized steel, with Round Pan.

No. 33—Capacity, 2 gallons

Each \$2.65

No. 34—Capacity, 4 gallons

Each 3.15

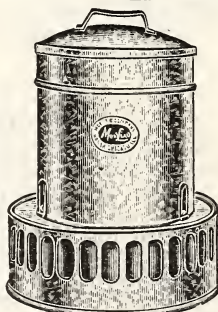


PEERLESS CHICK FEEDER

For baby chicks and growing fowl, and suited for either large or small flocks. The hopper is adjustable up or down for different kinds of mash or feed. Thirty chicks can feed at one time and they cannot foul or waste the feed. Two sizes.

No. 192—Capacity 10 quarts Each \$1.60

No. 193—Capacity, 18 quarts Each \$2.10



GRIT AND SHELL BOXES

Economical and practical for feeding grit, shells, etc. Heavy galvanized steel, thoroughly well made, no solder used in their construction.

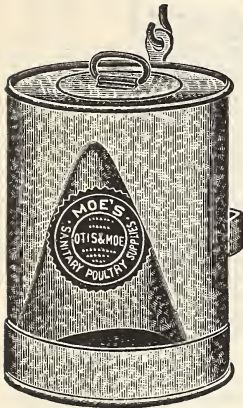
No. 45—Two-Compartment Each \$0.45

No. 9—Three-Compartment Each .85

No. 90—Four-Compartment Each 1.20

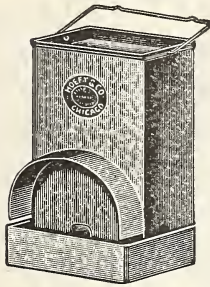


WALL FOUNTAIN



No. 26Each \$0.70

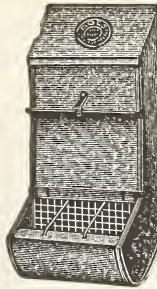
DROP BOTTOM FOUNTAIN



Has a hinged drop bottom so it is easy to fill and keep clean. Wire handle, so it may be hung on the wall out of the litter.

No. 41—1 gal. Each \$1.15
No. 42—2 gals. Each 1.50

MOE'S DRY MASH HOPPERS



A strictly high quality hopper, properly designed. The curved bottom keeps the feed in easy reach, and the taper shape of the hopper prevents the feed from clogging. Height 19 inches.

Each
No. 35—Width 8½ in.....\$1.50
No. 36—Width 12 in..... 2.05
No. 13—Width 18 in..... 2.35
No. 37—Width 24 in..... 3.00

MOE'S DIXIE FEEDERS



The deep, half-round troughs have a turned-in flange to prevent waste. Easy to fill and clean.

The wire top guard keeps the chicks out, and is adjustable, so it can be raised as the chicks grow in size.

Galvanized Steel

No. 460—Length, 18 inches.....Each \$0.25
No. 462—Length, 30 inchesEach .40

BABY CHICK FEEDERS

Round feeders for baby chicks. Also used for water and milk. Tops fit snugly, yet are easily removed for filling and cleaning.

No. 11—Galvanized, 8 holes;
diameter, 6 inches...Each \$0.15
No. 12—Galvanized, 12 holes;
diameter, 8 inches Each .25



MASON JAR FOUNTAIN

Made of rust-resisting metal. No seams or solder, and fits Mason jars, sizes 1 pint, 1 quart and 2 quart.

No. 142 (Glass jar not included)
Each \$0.10

STAR FOUNTAINS

No seams. No loose parts. Made of rust resisting metal. Fits any standard Mason Fruit Jar.

No. 32 Star Fountain,
Each 10c



No. 38—A popular and practical Punch. Makes a clean perforation.

Each \$0.15



MOE'S ECLIPSE FEEDERS



For chicks and growing stock. One-piece pan and top. No seams, rivets or solder used. Sliding Top, easy to fill and clean.

Galvanized Steel

No. 27—Length, 10 inches with 10 holes.....Each \$0.25
No. 28—Length, 20 inches with 20 holes..... .40

Bright Tin (for Buttermilk)

No. 137—Length, 10 inches with 10 holes.....Each \$0.30
No. 138—Length, 20 inches with 20 holes..... .45

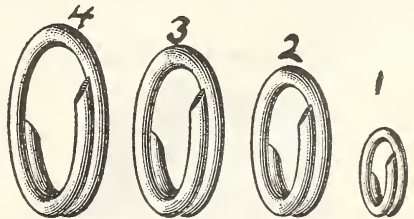
MOE'S DOUBLE FEEDING TROUGHS



Galvanized steel. Feeder holes have smooth turned-over edges to prevent injury to the chicks. Sliding top.

No. 58—Length, 12 in. with 18 feeder holes.....Each \$0.35
No. 59—Length, 18 in. with 26 feeder holes..... .50
No. 60—Length, 24 in. with 36 feeder holes..... .55
No. 76—Length, 36 in. with 52 feeder holes..... .75

SPIRAL CELLULOID LEG BANDS

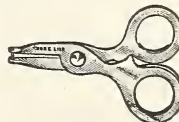


No. 1—For Baby Chicks.
No. 2—For Leghorn Chickens.
No. 3—For Rhode Island Reds or Rocks.
No. 4—For Turkeys or Geese.

Best quality. Fast colors. Made in six sizes and ten colors: White, Black, Dark Blue, Light Blue, Red, Pink, Garnet, Green, Yellow, Purple.

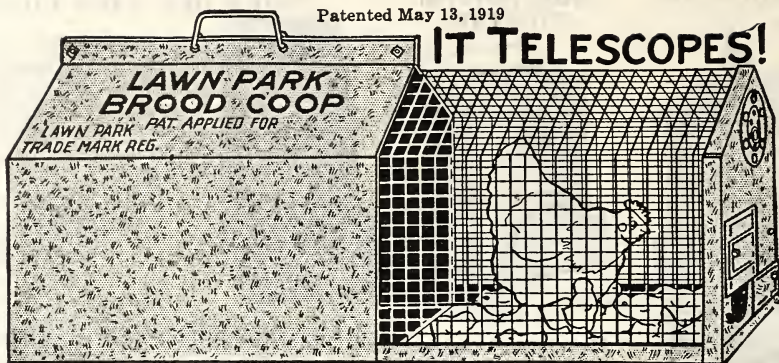
12 bands.....\$0.15
25 bands..... .25
50 bands..... .40
100 bands..... .65
500 bands..... 3.00
1000 bands..... 5.00

Postpaid.



No. 39—Moe's Ideal Punch. Works easily, cuts clean, and does not bruise the foot.

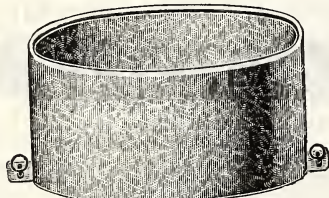
Each \$0.35



The "LAWN PARK" Brood Coop

It is made entirely of galvanized materials, will not rust, and absolutely protects chicks against rats, cats, dogs, hawks, vermin, cold, storms and all other chick enemies. The metal actually repels lice—that's important. The main part of the coop is made from heavy galvanized steel, while the park is made from strong galvanized wire screen, which has the edges neatly bound and strongly reinforced with galvanized steel. The "LAWN PARK" is large and roomy, being 18 inches wide, 19½ inches high, and 48 inches long, with park extended. The coop and the park are of equal length. The park permits the chicks to have plenty of sunshine and fresh air, and also allows them to range on grass. Can be moved from place to place easily, thus giving them a fresh supply daily. Coop has removable bottom for quick and easy cleaning. The overhead damper ventilation system keeps the coop cool without chilling the chicks. The chicks saved on one brood will pay for one or more coops. Regularly packed in crates of six, but any quantity will be shipped promptly by freight or express upon receipt of the price, \$6.00 each.

Rabbit Dishes

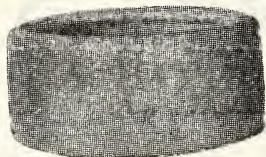


MOE'S FEED AND WATER DISH

Made of galvanized iron. Rolled in top prevents wasting. Dish held to the floor of hutch by simple locking device, easy to remove for cleaning. Impossible for stock to tip over.

No. 46—Each25c

Earthenware Dishes



Made especially for rabbits and small pets. Cannot tip over and the saving in feed soon pays for them.

Prices—6-inch15c

Prices—8-inch25c

By Parcels Post add 8c each for safe packing. Weight about 2 lbs.

Aluminum Leg Bands



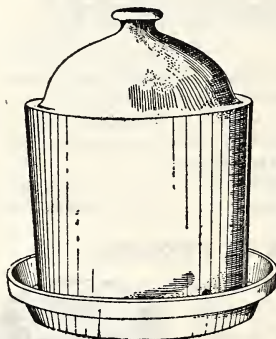
No. 130—Aluminum, with extra large raised numbers. Easy to read, adjustable for any size fowl. Quickly applied.

Package of..... 12 25 50 100 500 1000
Price..... 15c 25c 45c 75c \$3.50 \$6.00

Poultry Pepper

A good tonic and invigorator. Ground. Price, 1 lb., 35c, postpaid.

Sanitary Stone Fountain

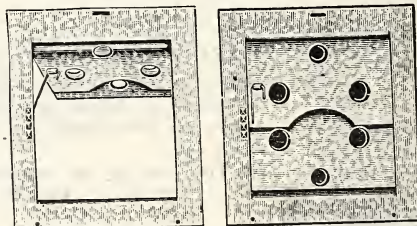


These are strong and well finished; made in two pieces. They probably keep the water cooler than the galvanized fountains, but are heavier to handle and more liable to break.

Price—½ gal., 65c;
1 gal., 75c; 2 gal., \$1.25.

Cannot be mailed.

Trap Nest Front



A reliable automatic trap nest front, which can be easily fitted to an ordinary box or metal nest. Door is hinged at the bottom making it easy to clean the nest or remove the hen. Size, 11 inches wide by 12 inches high. Size of opening, 8 by 9 inches. Effectively traps the hen and allows ample ventilation.

No. 63—Trap Nest Front. Each.....60c

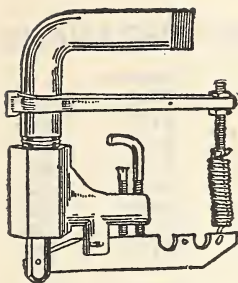
Porcelain Nest Eggs

These are the finest quality nest eggs. Nothing equals them to induce pullets when first commencing to lay to use the nest. Price, per doz., postpaid, 50c.

POULTRY SUPPLIES

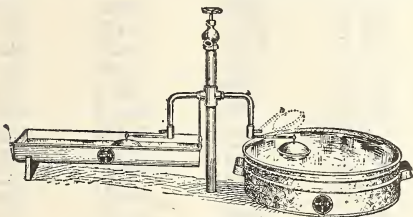
"Guaranteed" Automatic Water Fountain

Is the BIGGEST LABOR SAVER on the farm. Especially designed for poultry, can be attached to any water line, tank or even a barrel. Is operated by the gravity pressure of the drinking pan, supplies fresh water to your fowls automatically. Price, \$1.75 each.



Gilt Edge Egg Scale

Simple in construction and easy to operate, graduating by the ounce per dozen. Is universally used. Price, \$1.35, postpaid.



Servall Float Fountain

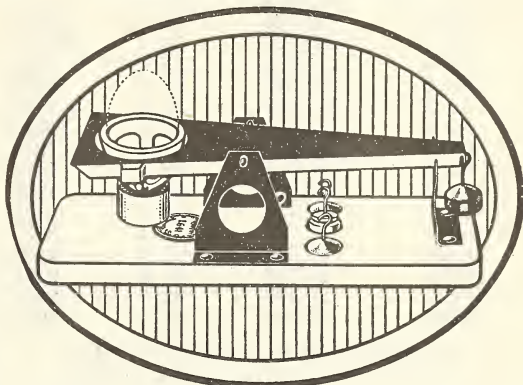
The above illustration shows two ways that the Servall fountain can be used.

Every part of this fountain is made of pure brass, also the float. The Watertite Valve is one of the good features of this fountain.

Made to fit standard 1/4-inch pipe.

This Servall Float Fountain will fill every requirement for STOCK water control such as is used on small dairies or a horse or cow, it has a running capacity of from 2 to 5 gallons of water per minute depending on the pressure.

The Servall Float Fountain will be prepaid to any address in the United States or Canada upon receipt of \$1.25.

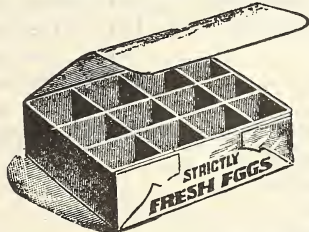


The White Line Egg Grader

is the most favored of any egg grader on the market, first, because it is perfect in its balance and assures a Perfect grade, the swinging egg basket is a very attractive feature as the egg may be placed in the basket in any position and give you a correct weight. This grader weighs ten (10) grades, namely: 18, 19, 20, 21, 22, 23, 24, 25, 26 and 27 ounces to the dozen.

Price, each, postpaid, \$1.85

Ideal Egg Box



This is an ideal box for handling retail egg trade, presenting the goods to the customer in an attractive package with the minimum amount of trouble for the seller. They knock down in a very compact shape, and the prices which we name are extremely reasonable.

One dozen size, price per doz., 25c, postpaid; 100 for \$1.00 (not postpaid); 100 cartons when packed for shipping weight 14 lbs.

BIRD SEED Select—Recleaned

	Price
Canary Seed, per lb., postpaid	\$0.15
Rape Seed, per lb., postpaid	.15
Hemp Seed, per lb., postpaid	.15
Flax Seed, per lb., postpaid	.15
Millet Seed, per lb., postpaid	.15
Sunflower Seed, per lb., postpaid	.20
Maw Seed, per lb., postpaid	.50
Lettuce Seed, per 1/4 lb., postpaid	.10
Cuttle Bone, each, postpaid	.05
Mixed Bird Seed, lb., 15c; 5 lbs., 60c, postpaid.	
The postpaid prices apply only to the 1st, 2nd and 3rd zones.	



FLEMING EGG KEEP

The Proven
Egg
Preservative

KEEPS EGGS SWEET AND FULL FOR MANY MONTHS WITHOUT REFRIGERATION

"Fleming Egg Keep" applied to a fresh egg seals the pores of the shell, and absolutely prevents shrinkage of the contents. The egg retains its fresh, sweet flavor for many months.

Fleming-preserved eggs need be stored only in an ordinary egg basket or egg case, on a pantry shelf or in a dry cellar. Spring eggs preserved with "Fleming Egg Keep" can be boiled, fried or poached the following winter—will look, taste and smell as fresh as a new-laid egg.

"Fleming Egg Keep" preserves eggs without fuss or muss. "Fleming Egg Keep" is tasteless, odorless and harmless.

This product is used by 100,000 people—fully tested and endorsed by many leading agricultural colleges.

"Fleming Egg Keep" is a strong seller,—with steady repeat business.

Two - oz. can treats 60 to 90 dozen eggs. Price, \$1.00, postpaid.

Four-oz. can treats 120 to 180 dozen eggs. Price, \$1.50, postpaid.

USE CARBOLA

NUMBER OF PLANTS PER ACRE AT VARIOUS DISTANCES

Distance, Inches.	Plants.	Distance, Inches.	Plants.	Distance, Feet.	Plants.	Distance, Feet.	Plants.
1x 1	6,272,640	10x48	13068	4x 5	2178	9x10	484
1x 3	2,090,880	15x15	27878	4x 6	1815	9x11	440
1x 4	1,568,160	15x30	13939	4x 7	1556	9x12	403
1x 5	1,254,528	15x36	11616	5x 5	1742	10x10	435
2x 2	1,568,160	18x36	9680	5x 6	1452	10x12	363
2x 3	1,045,440	18x48	7260	5x 7	1244	10x15	290
2x 4	784,080			5x 8	1089	10x18	242
		Feet.					
2x 5	627,264			5x 9	968	10x20	217
3x 3	696,960	1x 1	43560	6x 9	1210	12x12	302
3x 4	522,720	1x 2	21780	6x 7	1037	12x15	242
3x 5	418,176	1x 3	14520	6x 8	907	12x20	181
4x 4	392,040	1x 4	10890	6x 9	806	15x15	193
4x 5	313,632	1x 5	8712	6x10	726	15x18	161
5x 5	250,905	2x 2	10890	7x 7	888	15x20	145
6x 6	174,240	2x 3	7260	7x 8	777	18x18	134
7x 7	128,012	2x 4	5445	7x 9	691	18x20	121
8x 8	98,010	2x 5	4356	7x10	622	18x24	100
9x 9	77,440	3x 3	4840	8x 8	680	20x20	108
10x10	62,726	3x 4	3630	8x 9	605	20x24	90
10x20	31,363	3x 5	2904	8x10	544	20x30	72
10x24	26,136	3x 6	2420	8x11	495	30x24	60
10x30	20,908	3x 7	2074	8x12	453	30x30	48
10x36	16,424	4x 4	2722	9x 9	537	30x36	40

NUMBER OF PLANTS TO ACRE
SET AT REGULAR DISTANCES APART

DISTANCE APART	No. Plants
1 ft. by 6 in.	87,120
2 ft. by 6 in.	43,560
2 ft. by 12 in.	26,780
2 ft. by 18 in.	14,520
2½ ft. by 12 in.	17,420
2½ ft. by 18 in.	11,616
2½ ft. by 2 ft.	8,712
3 ft. by 1 ft.	14,520
3 ft. by 1½ ft.	9,924
3 ft. by 2 ft.	7,260
3 ft. by 3 ft.	4,840
4 ft. by 1 ft.	10,890
4 ft. by 2 ft.	5,445
4 ft. by 3 ft.	3,630
4 ft. by 4 ft.	2,722
5 ft. by 1 ft.	8,712
5 ft. by 2 ft.	4,356
5 ft. by 3 ft.	3,904
5 ft. by 4 ft.	2,178
5 ft. by 5 ft.	1,742
6 ft. by 3 ft.	2,420
6 ft. by 4 ft.	1,815
6 ft. by 6 ft.	1,200
7 ft. by 7 ft.	888
8 ft. by 8 ft.	680
9 ft. by 9 ft.	537
10 ft. by 10 ft.	435
11 ft. by 11 ft.	360
12 ft. by 12 ft.	302
14 ft. by 14 ft.	222
15 ft. by 15 ft.	193
16 ft. by 16 ft.	170
17 ft. by 17 ft.	150
18 ft. by 18 ft.	134
19 ft. by 19 ft.	120
20 ft. by 20 ft.	108
25 ft. by 25 ft.	69
30 ft. by 30 ft.	48
33 ft. by 33 ft.	40
40 ft. by 40 ft.	27
50 ft. by 50 ft.	12
60 ft. by 60 ft.	17
66 ft. by 66 ft.	10

Rule.—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and product will be the number of square feet for each plant or hill; which divided into the number of square feet (43,560), will give the number of plants to the acre.

DISTANCES FOR PLANTING TREES:

(In planting trees the greater distance should be given on the richer soils.)

Apples	20 to 30 feet each way
Pears (Standard)	20 to 25 feet each way
Pears (Dwarf)	12 to 15 feet each way
Quinces	15 to feet each way
Peaches	18 to 24 feet each way
Plums	15 to 20 feet each way
Cherries	15 to 20 feet each way
Blackberries	6x4
Raspberries	6x3
Currants	5x3
Gooseberries	5x3
Strawberries (Hills)	36 by 18 inches
Strawberries (Matted rows)	48 by 12 inches
Grapes	8x8 to 10x12

IF IN DOUBT, the proper, the reasonable thing is to place a trial order. Try a small quantity of what you think is the thing for you. That will not break you and we know it will do you good.

How do we know? Well it is like this: We are far away from the bulk of customers and that is a handicap. To overcome this, our seeds MUST and DO excel, they must be and are above the average.

We are no new hands at the seed business. We are in it for twenty-five years. Think of it! Twenty-five years—a quarter of a century!

We had our ups and downs—many downs, but we are here, after so many years and going strong, which proves what? Does it not prove that our seeds are all right, that we are safe to deal with?

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DAHLIAS—Pages 68-71.	NUT TREES—Page 81.
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FERTILIZERS—Pages 86-88.	PLANET, Jr.—Pages 100-101.
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FRUIT TREES—Pages 77-79.	POULTRY SUPPLIES— Pages 106-111.
GARDEN SEEDS—Pages 1-38.	ROSES—Pages 73-76.
GARDEN SUPPLIES—Pages 92-102.	VEGETABLE SEEDS—Pages 1-38.
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GRAPES—Page 81.	

How to Keep the Lawn Green

OLD LAWNS will be greatly benefited if, as early in the spring as the weather will permit, they are carefully raked, so as to remove the dead grass and leaves that may be on them, then sprinkle it with our Fancy Lawn Mixture, which will renew the thin places and spots that have been killed by the winter or other causes, then give it a thorough firming and smoothing with a heavy roller.

FERTILIZER. We recommend the Grozit Sheep Manure as the simplest and most effective fertilizer. Broadcast sheep manure at rate of ten pounds per 100 square feet, or six pounds for reviving old lawns. Pure Bone Meal is also good, applied at rate of 600 to 1,000 pounds to the acre.

Preparation and Care of the Vegetable Garden

Prepare the Soil. To get good results the soil should be thoroughly drained; if low and wet put in a tile drain; it will pay. Cover the ground with well-rotted barnyard manure, a good covering of sheep manure, or a high-grade commercial fertilizer. This lightens the soil, increasing its power to hold water. Rake in a thin coating of hydrated lime (in fall or spring) on soils that crack when drying. It improves the physical condition of the soil, increases growth and healthfulness of crops.

Dig or plow the ground deeply (8 to 10 inches) without disturbing the subsoil, and have all of this loose ground **thoroughly pulverized**, then when ready to plant or sow, rake the surface with a Planet Jr. Star Pulverizer or with an iron rake, making it as fine and level as possible.

Preparation of the soil takes time and labor, but pays in the end, as it makes the sowing and cultivating easier and will give you larger and better crops.

Sowing. Radishes, onions, lettuce and other small seeds should be sown very shallow, not over $\frac{1}{2}$ inch deep, larger seeds about 1 inch deep. Peas and beans 1 or 2 inches deep. In dry, hot weather sow and press down the soil 1 inch deeper than in wet weather.

Planting. Set out tomato, pepper, eggplants, etc., as soon as all danger of frost is past. Showery weather is best for this work or late in the afternoon to avoid the effects of the hot sun immediately after planting. Keep the plants thoroughly watered for a few days, and, where possible, keep shaded for two or three days until the plants take root.

BUTZER'S



SEEDS

THE KIND THAT GROW
"YOU CAN'T KEEP THEM IN THE GROUND"